SINCE 1947

FAIR RADIO SALES CO.

WORLD'S FINEST

ELECTRONIC SURPLUS

GOVERNMENT AND COMMERCIAL

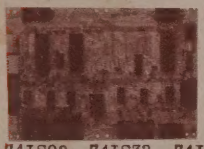
★ Communications ★ Test Equipment
★ Computer Components ★ Electronic Parts

CATALOG WS-80

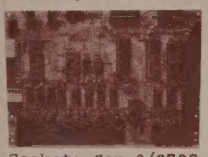
P8085 MPU BOARDS

MICROPROCESSOR BOARDS originally used in 180 cps matrix printer; 10x7. W/pinouts. Unused.

* * * * * * * * * * * * * * * * *



#217D-246 PROCESSOR CPU, contains P8085 MPU with 5.185 Mhz crystal, 8255A programmable peripherial interface, 8212 8-bit I/O, 8253 programmable interval timer, 3/8205 one of 8 decoder, 4/2114 RAM, 74LS00, 74LS02, 74LS32, 74LS93, and 74LS244. Has sockets for 4/2708 EPROM. Requires +5 VDC (plus +12 and -5 VDC f/2708's). Originally used with Datanetics keyboard. $75.00



#217D-244 CONTROLLER CPU directed electro-mechanical functions of printer. Has P8085 w/5.7143 Mhz crystal, 2/8255A, 8253, 8212, 4/8205, nine 3341 FIFO shift register, 4/2111-1 RAM, 7400, three 74LS00, 74LS125, 74LS161. Sockets for 6/2708. Requires +12, -12, +5, and -5 VDC. $100.00

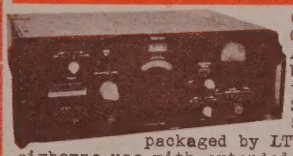
TRANSISTORIZED SCOPE

OS-106/USM-117 TRANSISTORIZED OSCILLOSCOPE, DC to 5 Mhz bandwidth, 4QP2 rectangular CRT, and is very compact. Includes MX-2996 high gain vertical plug-in plus has dual-trace capabilities when used with MX-2995 plug-in (not available). Sweep range: 0.1 usec to 0.1 sec in 19 calibrated steps in 1, 2, 5, 10 sequence. Vertical sensitivity: 0.01 v/div to 20 v/div in 11 calibrated steps in 1, 2, 5, 10 sequence, variable to 50 v/div. Input impedance: 1 Mohm shunted by 47 pf. Calibrator generates 1 Khz square wave at either 0.04 or 0.4 V p-p. Probe not available. Requires 115 VAC 50-60 or 400 Hz. 8½x9¾x18¼ including cover. 28 lbs. Used-reparable, $195. Checked, $295. Manual, repro, $15. w/purchase.

SPDT ANTENNA RELAY

SPDT ANTENNA CHANGEOVER RELAY, 6 VDC 20 ohm coil; unused contact ground. Contacts appear good to 100 W. Two BNC connections; 2¾x1½x2. #5945-539-3025, unused $9.95

0.2-30 MHZ SSB RECEIVER



G133 HF RECEIVER, 0.2 to 30 Mhz SSB, AM, CW in thirty bands; continuous tuning in each band Set is a Collins 51S1 receiver repackaged by LTV-Temco for mil-airborne use with extended lower frequency range, jack for 14-600 Khz LF tuner, AM BFO, and extra electronic filtering. Crystal check points every 100 Khz. 500 Khz final IF. AM BFO dial has 500 increments for varying BFO from 485-515 Khz. Controls for CW-LSB-USB-AM, rejection tuning, and RF-+10DBM-0DBM meter switch. Input impedance 50 ohms. Output: 4 or 600 ohms. Matching phone patch imped.: 500-600 ohms. With tubes 5/6EA8, 3/6BA6, 2/12AX7, 2/6136, 6CD6, 5670, 6BF5, and 6AK6. Requires 115/230 VAC 50-400 Hz; also 24 VDC 168 ma for AM BFO only. 6½x18¾x13; 40 lbs sh. Used, reparable, $825.00; Checked, $975.00 Collins 51S1 manual, $15 w/purchase of G133. Power connector, $5.00 w/purchase of G133.

DC TO AC CONVERTER

PU-143C/U ROTARY CONVERTER, rotating armature unit changes 24 VDC 27 amp input to 115 VAC 60 Hz single phase 500 VA output @ 85% max. power factor. Metal control box on top of 3600 RPM inverter contains 0-130 VAC manual variable transformer, 0-150 VAC 2½" rd. meter, AC output receptacle, and DC input terminals. Size: 14¼x8½x14, 77 lbs sh. Used, $89.50

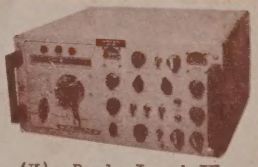
1.7-2.4 GHZ POWER AMP

TRC-29 POWER AMPLIFIER designed for 1.7-2.4 Ghz range. Consists of 2C39 tube in a dual-folded coaxial cavity; 3/4 wavelength grid cathode and grid plate. Each tuned to desired frequency by adjustable plungers. Power output: 5-10 watts coupled through a probe in the grid plate circuit. Voltage required in original operation: 800 VDC, -15 VDC, 5 VAC. Cavity silver-plated. Uses one male and female type C connector. 15x3½x4, 9 lbs. W/schematic, used $25

ZM-11 UNIVERSAL BRIDGE

ZM-11 TEST SET, a highly portable unit for field testing applications which require measurement of capacitance, inductance, resistance, transformer turn ratio, dissipation factors of inductors and capacitors, and storage factor of inductors--all at 1 Khz test frequency. Also insulation resistance of capacitors and leakage of electrolytics in circuit using 10.75 Mhz test frequency. Has ranges for Capacitance: 10 pf to 10 mf, 1 mf-100 mf, 10 mf-1100 mf; Inductance: 0.1 mH-1 H, 1 H-10 H, 10 H-110 H; Insulation DC resistance: 200-500 Megohm, 5K-10K Megohm; Transformer turn ratio: 0.01-110 (K=1); DC leakage: 0-1-5-25 MA; D Dissipation: 0-0.06 (10 pf-0.1 mf), 0-0.6 (0.1 mf-1100 mf); Q Storage: 0.5-20; and DC applied to electrolytics: 0-500 VDC. Uses test leads with standard banana jacks. (Leads not available.) With tubes 6E5, 6J6, 2/6AV6, 6AG5, 6AL5, 6AQ5, and 6X4. Power required: 115 VAC 50-1000 Hz. Size: 5¾x9x9¾, 18 lbs. sh. Used, reparable, $65. Checked, $115. MANUAL f/ZM-11, partial reproduction, $8.50

14 TO 600 KHZ RECEIVER



R1134/WRR-3 LOW FREQUENCY RECEIVER, 14-600 Khz AM, CW, and FSK in five bands using mechanical digital tuning: 14-30 Khz (Band I), 30-63 Khz (II), 63-133 Khz (III), 133-283 Khz (IV), and 283-600 Khz (V). Bands I and IV have 60 Khz 1st IF; 200 Khz 2nd. Other bands single 200 Khz IF. Calibrate points every 10 Khz. Output impedance: 600 ohms. Input: 50 ohms. Controls for BFO, Broad-Sharp IF and AF selectivity, Antenna Compensator. With tubes 6AN5, 6AU6, 4/6C4, 3/5725, 5/5749, and 5751. Requires 115 VAC 50-60 Hz or 400 Hz. 8¾x17¼x16¾, 80 lbs sh. Used, reparable, $215.00 Checked. $295. Schematic pack, $3 w/purchase.

LINE FREQ. METER

48-52 and 58-62 HZ AC LINE FREQUENCY METER, for 100-150 VAC; has ten reeds. 3½" round; sealed. H.H. Sticht Co. mfg. 1 lb. #974-9364, unused, $27.95

ORDERING INFORMATION
SEE PAGE 2

MINIMUM ORDER $5.00

Fair Radio Sales Co.

P. O. Box 1105 -- 1016 E. Eureka St.
Lima, Ohio 45802 419/227-6573

CATALOG INFORMATION

This IS the only catalog we will issue this year.

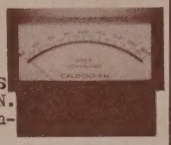
A supplement will be sent in the Fall.

FAIR RADIO SALES CO., INC.

1016 E. EUREKA, BOX 1105, LIMA, OHIO 45802
TELEPHONE: AREA CODE 419 227-6573

SHUNT

50 MV. 15 AMP SIZE: 2x1½x1½ 6625-810-6742 UNUSED $2.50



FS=50 UA w/ mirrored scale, zero adj. Scale: 4.0-20.0 GMS % HEMOGLOBIN. Mount on panel front or behind. Fits 2⅜" dia. hole. 5½x6x2; Beede mfg., $7.95

CALBIOCHEM meters, FS=50 UA 2-3/8" square. Used, $4.95
#200037, 0-150 -350% GLUCOSE scale.
#200039, 0-.3% BLOOD ALCHL.
#200056, 4-24% HEMOGLOBIN

TUBE TEST

REPLACEMENT METERS f/MERCURY tube checkers. Bad-?-Good scale; can be changed.

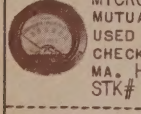
#990 FS=1 ma 2½x2¼	$3.00
#390 FS=1 ma 3⅜x3	4.00
#3958 FS=1 ma Fan type 3⅜x3¼x3	4.25
#1000 FS=1 ma 4x4¼	5.00
#9000 FS=5 ma curved fan type 7x5	6.00

SAME STYLE AS TUBE CHECKER TYPE ONLY MULTIMETER SCALES
#1000 20,000 ohm/volt d.c. 5,000 ohm/volt a.c. ohms 0-20K/DCV. Amps 0-10-50 250/ACV-25 & 2.5/& DB. fs=50 mic.amp 6x4¼ $8.00

#1700 similar to above 200 mic.amp 6x4¼ $7.50

Jackson 3081 FS=200 mic-amp multimeter 7x5 fan-type $10

CLEAR PLASTIC METERS, 2-3/8" sq. fit 2-1/8" dia. hole. EMI mfg. Unused. #D1145-2, 0-5-50 MADC, FS-5 madc, $4.95
#D1159-1, 0-50-500 MADC scale, FS=50 madc, $4.95
#D3630, 0-3 VDC, $4.95



MICROMHOS DYNAMIC MUTUAL CONDUCTANCE USED IN I-177 TUBE CHECKER BASIC 0-1.4 MA. HICKOK #M547A STK# 3F1350 $4.95

TV-2 REPLACEMENT METER, 0-250 SCREEN VOLTS, FS=1 MA. 2½" RD. SEALED. NEW $5.95

DECIBELS

-10-0-6+ DB 6MW 600 OHMS 2½" RD. WEST. 2837 $4.95

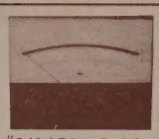
-12-0-8+ DB 100 UA=FS 3½" RD BLK. RUGG. WAC4586 N $7.95

-12-0-+8 DB, FS=100 ua, 3½" rd. blk. face. Used, $5.95

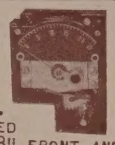
-20-0-3+ DB FS-199 MUA 2½"R #GA50934 USED $4.95

OTHER VALUES IN STOCK, WRITE

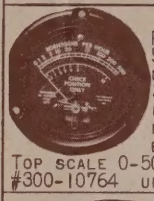
POWER SET +6 TO 0 TO-3 2½" RD. FS-200 UA, WAGLINE 1496/400 RUGG/SEAL U $3.95



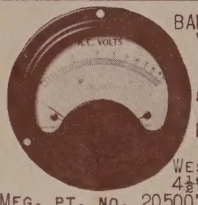
MULTIMETERS by Modutec. 5x4, zero adj, mirrored scale. Fits 2-5/8" dia. hole.
#841256, 0-10 VDC-UA-VAC rms; FS=50 uadc. New $7.95
#841974, 0-10 VDC-AC rms-UA DC, 0-28 VAC p-p, OHMS. FS=100 uadc, new, $7.95
#821155, 0-±100 VDC, 0-75-150 MADC; FS=100 uadc. Not mirrored; 3x2½. Fits 2-1/8 dia. hole. Unused, $5.95



DUAL SCALE METER 0-1 MA MOVEMENT TWO MECHANICALLY SWITCHED SCALES, 0-25, 0-125. FOR BEHIND PANEL MTG. CAN BE ILLUMINATED SHAFT EXTENDS 3/8" FRONT AND REAR. 2½x1 FACE, 2½x3x1⅛ OVE ALL. UNUSED $4.95



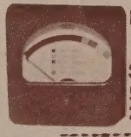
ROENTGENS PER HOUR METER 50 MICROAMPERE D.C FULL SCALE 3⅜" RUGGEDIZED REMOVEABLE PLASTIC LENSE, BLACK FACE. TOP SCALE 0-500, LOWER 0-10
#300-10764 UNUSED $3.95



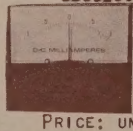
BALLENTINE V.T.V.M. METER ONLY AC VOLTS 1-10 DECIBELS 0-20 WESTON 643 4⅜" OR EQ.
MFG. PT. NO. 205007 NEW
STK#6625-557-0899 $8.95

OUTPUT METER FOR TS-497B AND TS-497C SIGNAL GENERATORS. 300-0-300 DC MICROAMPS. 3⅜" RD. MARION HS3, #5705 NEW $7.95

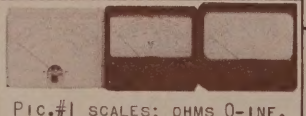
EDGE-WISE METER 0-100 D.C. MA. FULL SCALE 20 MA 2⅛x3⅜x3/4 FACE
INTERNATIONAL 1135ULB $5.95



DC VOLTMETER 3 IN. SQ. NO SCALE COLORED SEGMENT SIMPSON MFG. NEW
50 VDC #1913 $6
25 VDC #1906 $6

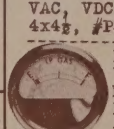


GE PANEL METER 1-0-1 MA. 3x2 3/4, 2¼ IN MTG HOLE.
76-632-0719
PRICE: UNUSED $8.95



PIC.#1 SCALES: OHMS 0-INF. DCV 0-15, ACV 0-50, PP 0-40 0-150 DB-10-0-5+ FS=200 UA HEATH VTVM #407-62 N $12

0-60 top scale; 0-3-15-60 VAC, VDC, MADC. FS=425 ua. 4x4⅛, #P30033, used, $6.95



LP-GAS METER, 0-1 VDC full scale. Mounts in 2" dia. hole. Chrome finish #48560-2, $1.50 ea.

STORE HOURS
9 A.M. to 5:30 P.M.
MONDAY THRU FRIDAY
9 A.M. TO 1 P.M. SATURDAY

TERMS

PRICES NET, F.O.B. LIMA, OHIO SEND MONEY ORDER, CERTIFIED CHECK, VISA, or MASTERCARD with PURCHASE ORDER for IMMEDIATE SERVICE.

We reserve the right to hold an order accompanied by personal or company check until after check clears the banks.

MINIMUM ORDER $5.00
Orders less than $5.00
ADD $1.00 HANDLING CHARGE.

Include sufficient money for shipping charges. (UNUSED PAYMENTS RETURNED AT ONCE.) Otherwise we will send shipping charges collect.

C.O.D. ORDERS, SEND 50% of PURCHASE with ORDER. CASH BALANCE will be COLLECTED UPON DELIVERY.

When writing for information PLEASE state what specific information you desire.

DESCRIPTIONS

ALL MATERIAL OFFERED IN THIS CATALOG IS IN "USED-COMPLETE" CONDITION, UNLESS QUALIFIED AND/OR NOTED AS "RECONDITIONED," "UNUSED," OR "NEW."

MERCHANDISE IS NOT OPERATIONALLY CHECKED UNLESS SPECIFIED AS "CHECKED."

EQUIPMENT DESCRIBED AS "REPARABLE"--MEANING "ABLE TO BE REPAIRED"--IS ELECTRO-MECHANICALLY COMPLETE, BUT REQUIRES SOME TROUBLESHOOTING BY THE CUSTOMER.

AC VOLTMETERS

0-3VAC 3" RD. SUB PANEL MTG 1000 P/V 2F8003-1 NEW $7.

0-7.5VAC 3" RD. STD. WEST. CAY22237 NEW $6.95

0-10 VAC 2½" rd. $4.95
3½" rd or sq $5.95 var.mfg.

0-30 VAC 3½" rd. various mfg. unused $8.95 used $7

0-150 VAC 60hz 2½" rd. various mfg. #M501/URT used $8

0-300VAC 2½" RD. RUGGED. 3F8300-72 USED $4.95

0-100 VAC, 3½" rd. Hickok Model 47M, used, $5.95

VAC SCALES 0-3/10/30/100 2½" RD. FS-1.5V 07231 NEW $4.95

0-50 VAC, 1000Ω/v, 3½" sq. WESTON 301, UNUSED, $6.95

AC AMMETERS

0-150 ACA 3½" rd. fs=5 amp #3974 unused $6.95

AC MILLIAMPERES Rectifier type, 0-250 & 0-500 scale 2½" rd. ruggedized Marion Electric HM-2 $6.95

0-3 ACA 400 cycle 2½" rd. rugged MR26W003AFAAR $6.95

0-125 ACA FS=5A for 400 hz 3½" rd. Hickok #470951 $10

0-100 microamp a.c 2½" rd. Weston-506 or equal UN $6.95

D.C. MILLIAMPS.

FS=1 MADC, 0-5-25 indicated 2½" rd. sealed. #1031 $4.95

0-3 MA-DC, 3½" rd. sealed. #4081, unused, $6.95

0-80 DCMA SCALE 2½" RD. RUGG. #8274 N $4.95

0-100DCMA 100MA. MOVE. 3½" RD. RUGG. #4265 N $6.95

0-150 DCMA SC. USED 3½" RD. STD. CAY22061 $5.95

0-200 DCMA SC. 2½" RD. USED #MR25200DCMA $3.95

0-200 DCMA SC. 3½" RD NEW GE-CG22063 $5.95

0-20 MA-DC, 3½" rd. Various mfg. Used, $5.50 Unused $7.

0-500 MADC, 3½" sq. Simpsor Used, ptr. tip bent, $4.95

0-15-300 MA-DC, FS=15 madc, 3½" rd. Various mfg. $5.95

FS=1.2 MADC, 0-100 indicated; 2½" rd. 3F910-47 U-$3.

0-20-80 MA-DC, FS=2 vdc, 2½" rd. sealed. Used, $4.95

OTHER VALUES IN STOCK, WRITE

D.C. MICROAMPS.

0-200 UADC, 3½" rd. sealed; Var. mfg. #3981, new, $3.95

0-200 UADC and -8-0-+6 DB, 2½" rd. sealed, new, $4.95

0-500 UADC, 2½" rd., Var. mfg. Used, $4.95

FS=500 UADC, 1½" sq. 10 div scale. #3F3312, new, $4.95

100-0-100 UA-DC, 2½" rd. sealed; Honeywell, U, $4.95

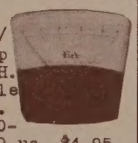
50 UA MOVEMENT, SCALE -30, 0, 150, POINTER AT ZERO, SEALED, 2½ RD USED TRC30150 $4

50 UA MOVE, SCALE 0-100 % MOD/PEAK VOLTS. SEALED 2½ RD USED TRC10050 $4.00

FS-100MUA, COLORED SCALE NO NUMERALS 2½" RD. RUGGEDIZED. WESTON 1521/4967 NEW $5.95

0-100 UA-DC, 2½" RD. SEALED VARIOUS MFG., USED, $4.95

OTHER VALUES IN STOCK, WRITE



FAN-SHAPED METERS, plastic w/ zero adj. 3" top 2⅜" bottom; 3" H. Fits 2" dia. hole EMI mfg. Unused.
#EMI-200UA, 0-50-150 VDC, FS=200 ua, $4.95
#EMI-20ACA, 0-20 ACA, $7.95
#EMI-5VDC, 0-5 VDC, $5.95
#EMI-25VAC, 0-25-250 VAC scale; FS=25 VAC, $5.95
#EMI-FS-50MA, 0-500 MADC scale; FS=50 madc, $5.95

BIG LOOK

0-20 DCA SCALE 50 MV 3½" N $8.

0-10 VDC SCALE 3½", USED, $8.

0-500 MA-AC 3½" #6775, $12.

D.C. VOLTMETERS

0-50 VDC EDGEWISE; ⅜H X 1⅜W X 1⅜D. HONEYWELL, NEW, $8.

0-15-600 VDC, 2½" rd black face; w/mult. code-Used $6.

0-10 VDC, 3½" rd. Various mfg. Used, $5.95

0-30 VDC, 2½" RD. SEALED; DEJUR R230, USED, $7.95

0-5 KV-DC, FS=1 MA, 3½" RD. VARIOUS MFG. UNUSED, $5.95

0-100VDC SC. 2½" RD. RUGGED #9545 NEW $5.95

0-75 VDC, 3½" round. Various mfg. Unused $8.95

0-200 VDC, 3½" rd. sealed; various mfg. Used, $6.95

0-300 VDC, 2½" round; various mfg. Unused $5.95

0-500VDC SC. 3" SQ. #2311-1624 USED $5.95

0-500VDC SC. 2½"RD. RUGGED FS-50MUA #683-9829 NEW $5.95

PEAK VOLTS 0-5/10/20 SCALES FS-500 UA 2½"RD UNUSED WESTON MODEL 1021 $4.95

OTHER VALUES IN STOCK, WRITE

R.F. AMMETERS

0-5 RFA 2½" rd. 20hz-20mc CAY-22026A cal.60hz $9.95

0-9 RFA 2½" rd. West.22239A NT-33 $12.95

0-3 RFA 3½" rd. 20hz-20mc WEST.#22021 cal.60hz. $15

0-5 Ant Curr. w/trans coil, 2½" rd. M101/ART13 U $7.95

0-15 RF, 3" sq. FS=1 ma; Simpson 271, U, $8.95

0-500 RF MILLIAMMETER w/thermocouple; 3½" rd. meter in 4½x4½x3¼ wood box. Box has 1" flanges for surface mount and SO-239 conn. Used with SCR-274 equip.
#A-68-A, unused, $14.95

DC AMMETERS

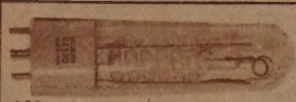
0-10 amps DC, 3½" rd. Various mfg. Used, $10.95

DC AMMETERS, FS-50 MV Used.
0-20, 3½" rd. sealed $7.
0-80, 3½" rd. sealed $7.
0-150, 3½" sq. unused $7.
0-450, 1½" sq. unused $6.

AUTOMOTIVE types, 2½" rd.
15-0-15 DCA, #0893, $2.95
50-0-50 DCA, $2.95

400-0-400 DCA induction-type; 2¾" sq. f/2½" hole. Chrome. #1696-1B new $1.95

SMALL METERS; 1⅝" SQUARE. RUGGEDIZED. UNUSED, $4.95 EA
#7838; RECORD LEVEL INDICATOR, FS=250 UA, DEJUR
#3538; 0-10, FS=1 MA, INTL.
#2250; 0-250, FS=5 MA, BLK. FACE, SIMPSON 182.
#0728; 0-10, FS=50 MV, BLK. FACE, WESTON 151.
#7693; 0-10 SCALE, FS=1 MA, 1¼" DIA., IDEAL S-100.



ELECTRONIC PHOTO-FLASH TUBE R4330 SYLVANIA, OPERATING VOLTAGE 2250, 6 FLASHES PER/MIN 100 WATT-SEC/FLASH MAXIMUM, PEAK LIGHT OUTPUT 12,000,000 LUMENS, INTERGRATED LIGHT OUTPUT 3500 LUMEN SEC. FLASH. $10 OCTAL CER.SOC. 50¢

RECENT COMPUTER SURPLUS TRANSISTOR BOARDS

BOARD #1: 100+ TRANSISTORS, PLUS DIODES, ¼-½ WATT RES., INDUCTORS, TRIMPOTS, CAPS. 6"x8". 4 EA. #1, $3.00

BOARD #2: 50+ TRANS., RES., CAPS., ETC. 5"x7". 5 EA. #2. $1.50

BOARD #3: 150+ SILICON TRANS., ETC. 4"x6". 4 EA. #3, $3.00

CARTRIVISION COMPONENTS

FISH TANK

FISHTANK OF ELECTRONIC COMPONENTS, P/O VIDEO TAPE SYSTEM. CONSISTS OF DEMODULATOR, SERVO-AMP, DROPOUT COMPENSATOR, PER/POST PROCESSOR DC POWER SUPPLY (115 V 60 HZ; OUTPUT -12/-12 1AMP REG, 5 VDC 1 AMP UNREG. MANY PARTS, IC', FET, TRANSISTORS, TRANSFORMER VARIABLE RESISTORS, CAPACITOR MORE! SIZE 14x12x6½ WT 15 $14.95

2 FOR $25.

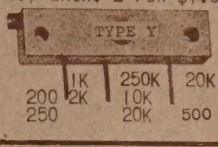
TIMER BONANZA

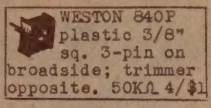
CARTRIVISION TIMER CONTROL, 115 VAC 60 Hz MOTOR w/SPDT CONTACTS; UP TO 8 HR. DELAY. 18 V. 200 MA TRANSFORMER; 12 VDC SPDT RELAY; SPDT & 4PDT (CENTER-OFF) SLIDE SWITCHES; SPST MICRO-SWITCH; TRANSISTORS, RECTIFIERS, ETC. $1.95

3 FOR $5.

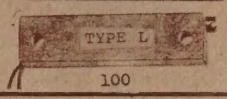
Cermet Trimmer

195/RJ12 CERMENT TRIMMERS ¼" RECTILINEAR 23 TURN. 79¢ EACH. 2 FOR $1.50





WESTON 840P plastic 3/8" sq. 3-pin on broadside; trimmer opposite. 50KΩ 4/$1



100

CERMET and other manufacturers as available.

TYPES 170 thru M176, ¼" sq. All 59¢ ea. 2/$1. Qty. ltd.

Type 170; metal, 3-pins on broadside: 100, 1K, 5K, 25K, 100K, 250K, 500K

171-T; metal top adj., 3-pin on thin side: 200, 250, 2000 5K, 10K, 50K, 100K, 500K, 1 MEG.

171-S; metal side adj.: 200, 2500 5K, 10K, 100K, 250K, 500K, 1 MEG.

172; metal, wire leads: 100, 200, 500, 1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M.

M174; plastic, 3 pins on broadside: 100, 1K, 2K, 10K, 25K, 50K, 200K, 1 MEG.

M175; top adj., 3 pins thin side: 500K.

M176; wire leads: 1K, 500 K.

TYPE 165-T, 3/8" sq. plastic, top adj.: 100, 500, 2K, 250K, 500K, 1 MEG. 59¢; 2/$1.

165-S, 3/8" sq., side adj.: 50, 100, 200, 500, 2K, 5K, 250K, 500K, 59¢; 2/$1.

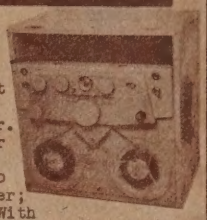
TYPE 385; metal, 11/32" dia., 3 pin short lead; 39¢, 3/$1.00: 50, 100, 500K.

190 CERMET TRIMMER 20 TURN ¾" RECTILINEAR; 200,100K, 200K. 75¢ EA. 2 FOR $1.20

3-CHANNEL ULTRASONIC

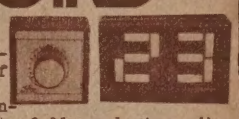
TRANSISTORIZED 3-CHANNEL ULTRASONIC DEVICE WITH TRANSISTORIZED TRANSMITTER. YOU CAN TURN ELECTRICAL/ELECTRONIC EQUIPMENT ON AND OFF WITH A PUSH OF A BUTTON. UNIT USES 41.5, 40, AND 38.5 KHZ FREQUENCIES--TWO CONTROL SPDT RELAYS; THE OTHER CAUSES A STEPPER (ON/OFF/VOLUME) RELAY TO ACTUATE. HANDHELD TRANSMITTER WORKS FROM 1.5 V BATTERY; RECEIVER REQUIRES 115 VAC WITH AN ISOLATION TRANSFORMER RECOMMENDED. RECEIVER 3x5½x2; TRANSMITTER 2⅝x4x1½; PICK-UP 1½x⅝" DIA. UNUSED. RECEIVER, XMITTER, PICK-UP, SCHEMATIC, $20.

RD-173 TAPE RECORDER



RD-173A TAPE RECORDER, portable monaural unit has all the standard features such as 3¾ or 7½ tape speed selection, fast forward, rewind, and tone plus a big 6" dia. speaker. 6E5 "eye" tube is used for record level indicator. Jacks for mic, radio/phono input, and external speaker; in wood case with cover. With tubes 6E5, 5879, 6AL5, 6AQ5, 6V6, and 5Y3. Requires 115 VAC 60 Hz. Units are checked for basic record, playback, and rewind functions, but further adjustment may be necessary. Reels and mic not included. 11⅝x13½x14; 45 lbs sh. Used, $29.95 MIC for RD-173, $5.

BILLBOARD™



TWO-DIGIT CHANNEL DISPLAY with 2" amber numerals on a black background. Set consists of 5¼"w X 3¼"h display block, 24-position channel switch, and 15 feet of 11-conductor ribbon cable. Operates from 12 VDC. Originally designed for CBer's to show-off frequency channels 1-23 through their car windows. (A show of Channel 9 could be particularly helpful in alerting other motorists to an emergency situation.) Other uses possible. Could probably be adapted into a highly visible timing and/or counting display. New, $10.

D O L L A R D A Z E

PLEASE ORDER BY NUMBER. Unit prices only as indicated. Look for more DOLLAR DAZE throughout this catalog.

4-77 IC BOARDS, 30 house # IC's --MRTL, RTL; xistors, capacitors. $3.00

6-77 12 volt silicon SWITCHING TRANSISTOR; house number. 12 for $1.00

9 RECEIVER-TRANSMITTER CHASSIS, solid-state, broadcast band. $2.00

10 SENTRY ALARM; buzzes when pin pulled. 2¼x3x1½, 9v. $1 3/$2.

23-77 BRASS COUPLINGS for 3/8" dia. x 3/4" long shafts. 3 for $1.00

25-77 MOBILE RADIO PLATE w/switch light, jack, 6' 10-cond. cable. Plate 3½x3½. $1.00

29-78 LEATHERETTE INSTRUMENT CASE, 8¼x2¼x4, two sections. $1.50 2/$2.50

30 MIXED HARDWARE: screws, nuts, washers removed f/equip. Usable; 3 lbs. $1.50

31-79 MAGNETIC ID HOLDER, 3½x12; metal, clear slide cover, $1. 2 for $1.50

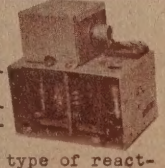
33 VINYL TYPEWRITER COVER, fits 18x18 base, 8" maximum height. $1.00

38-79 SPEAKER, 3" dia. 8 , 1 watt. Sanpo SP024, new, $1.00

39-78 LEVEL METER, FS-150 UA, 3/8x7/8 face; o/a 1x1x⅝. $1.00 3/$2.00

SWR INDICATOR CIRCUIT

STANDING-WAVE RATIO INDICATOR CIRCUIT, assemble a SWR meter using this 1⅝" square 0-10 scale (FS=2 MA) meter with filters and rectifiers and a modified Schering bridge. One pair of bridge arms is resistive, the other capacitive. In theory the bridge circuit is balanced when the antenna is tuned to 52 ohms resistive resulting in a zero reading on the meter. SO-239 connector. Bridge: 2½x2¼x1; 2 lbs. #M701/CU-991, $8.95



PHASE AND LOAD DISCRIMINATOR, could be useful in tuning an antennas system, if used in circuit with a sensitive zero-center microammeter. Phasing and loading discriminator produces ±DC voltages proportional to the reactance of a system. Phasing output shows the type of reactance (capacitive or inductive) and the loading's indicates the amplitude of impedance referenced to 52 ohms resistive. In both cases zero DC output is ideal (may not be obtained in practical circuit). A third output is proportional to relative antenna current. 2x3x3; 2 lbs. sh #T201/CU-991 w/diag., $4.95

HOMING ANTENNA

AT-339/PRC HOMING ANTENNA for use in the 38-55.4 Mhz range continuously tunable. Handheld unit has folding aluminum loop, 5-step output attenuator, sense-normal switch, and 4' cable w/BNC connector. 24" high with loop; collapsed overall: 12⅛x5x2⅛, 6 lbs. sh. Gov't reconditioned w/bag, $10.

ARRL 1978 ARRL RADIO AMATEUR'S HANDBOOK, nearly 700 pages of handy reference. Softbnd. Orig. $8.50--NOW ~~$7.50~~ $3.

ELECTRO-GUARD SENSOR

ELECTRO-GUARD ALARM, "senses" tampering with protected object. Utilizes the loading of a tuned oscillator (about 30 Khz) to detect touch. The item to be protected (which must be metal) functions as an antenna and the circuit is tuned. Once the item is touched, the circuit is detuned, tripping a relay. The relay could activate sirens or horns, lights, or cameras. Unit also has continuity circuit for perimeter or fusible link fire alarm. With tuning meter, switches for test-alarm and momen-lock-delay, four relays, two tubes, and one transistor. Requires 115 VAC 60 Hz. 9¼x5¼x9; 15 lbs sh. Used, need repair, $18.95

127.4 MHZ AM RECEIVER

RC-3A FIXED FREQUENCY RECEIVER, 127.4 Mhz AM. Compact unit sealed in rugged plastic utilizes seven transistors and a CA3018 integrated circuit. Approx. IF: 20 Mhz. Approx. crystal injection freq: 18 Mhz. Power required: 9 VDC 20 ma. Compartment for two 9 V. transistor radio batteries. Audio impedance: about 2000 ohms; male MB connector. Circuit board (3¼x2x1) is not potted. A few careful cuts with hacksaw allows removal for conversion. With 23" ribbon antenna and canvas bag. Size: 5¼x1⅝x3, 3 lbs. sh. Unused, w/cutting diagram, $14.95

BC & ARC COMMAND SETS

Even though they have been on the surplus market since the end of World War II, the Command Set Receivers and Transmitters are still popular with hams and experimenters.

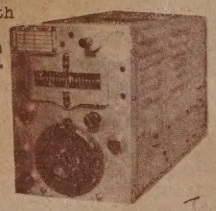
The series consists of either SCR-274N (BC-prefix) or AN/ARC-5 receivers (R-prefix) and transmitters (T-prefix).

As a group, the receivers cover 190 Khz to 9.1 Mhz and the transmitters 2.1 to 9.1 Mhz.

Over the years many conversions have been written for the sets. However, the last comprehensive collection of such information, CQ Surplus Conversion Handbook, went out-of-print in 1979.

If you are interested but not familiar with the Command Sets, your best source for info about them may be another ham. Schematics for any of the receivers and transmitters are available from us @ $1.50 each plus a SASE.

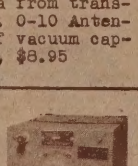
Command receivers are superheterodyne types which may be tuned by the use of a special spin knob or from a remote position with a control box and spline shaft. Each have six tubes: 3/12SK7, 12SR7, 12A6, and 12K8. They are designed to operate from a DM-32, a 24 V-DC dynamotor with an output of 250 VDC 60 MA and 24 volts. Shipped less dynamotor. Size: 5x5x11, 15 lbs sh.
BC-453/R-23, 190-550 Khz, used, $19.95
R-25/ARC-5, 1.5-3.0 Mhz, reconditioned, $27.



Command transmitters with proper use can put out 50 watts CW and 30 watts phone. Modulation is obtained from either of two separate units, BC-456 for single tube modulation or MD-7 for push-pull. The 575-600 VDC 175-200 MA and 24 volt power requirements were originally satisfied by the 24 VDC DM-33 dynamotor which mounted on either modulator. The transmitters use a 1629 "eye" tube for tuning and crystal calibration plus tubes 2/1625 and 1625. Size: 5x7x12, 17 lbs. sh.
BC-457/T-20, 4 - 5.3 Mhz, reconditiond $16.95
BC-458/T-21, 5.3 - 7 Mhz, " $16.95

BC-456 MODULATOR for use with Command Tranamitters; single tube modulation with tubes 1625, 12J5, 0D3. Has provision for mounting DM-33 dynamotor. 7x8x10, 11 lbs. sh. Used $9.95
SPIN TUNING KNOB for Command Receivers, $3.
DM-32 DYNAMOTOR, 24 VDC f/receivers, $4.95
DM-32/12 DYNAMOTOR, 12 VDC f/receivers, $6.
AC POWER SUPPLY f/Command Receivers w/speaker; our construction. Kit, $22. Wired, $27.
MC-215 FLEXIBLE SPLINE, 6', $1.50
COMMAND SET RECEIVER & XMITTER RACKS:
FT-233/MT-7A, for one receiver, $2.50
FT-234/MT-69, for one transmitter, $2.75
FT-226/MT-71, for two transmitters, $3.25
FT-227/MT-70 SHOCKMOUNT for FT-226, $2.50

BC-442/RE-2 ANTENNA RELAY UNIT for Command Sets; designed to switch antenna from transmitter to receiver. With 2½" rd. 0-10 Antenna Current meter and 5 KV 50 mmf vacuum capacitor. 4x3½x5; 6 lbs. sh. Used, $8.95



R-19/ARC AIRCRAFT RECEIVER, 118 to 148 Mhz continuously tuneable. No dial; designed for remote tuning with spline shaft. IF-15 Mhz. With tubes 9002, 3/9003, 14A7, 2/14R7, 14F7, and 12A6. Uses accessories similar to ARC-5 Series. Requires 250 VDC 60 ma and 24 VDC. 6½x5x11¾; 13 lbs. sh. Used, $18.95

R-11A RECEIVER, 190-550 Khz. Similar to R-19 but has 85 Khz IF and tubes 2/14A7, 14S7, 14R7, 14F7, and 12A6. Used, $12.95

R-22 BROADCAST BAND RECEIVER, 550-1500 Khz. Similar to R-11. Used, $24.95

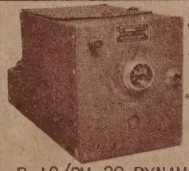
ARC-39 RECEIVER-XMITTER

RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 TO 9.1 MHZ IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100 PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHZ @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES 0B2, 2/12AT7, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7⅝x10½x21¾; SHPG. WT: 42 LBS. PRICE: USED, COMPLETE, $49.50
MANUAL FOR RT-427/ARC-39, REPRODUCTION, $10.

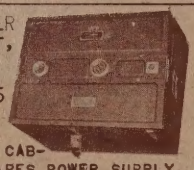
NAVIGATIONAL RECEIVERS

AIRBORNE NAVIGATIONAL RECEIVERS, 26 VDC, USED W/TUBES. SCHEMATICS $2 EA

R-89/ARN-5A GLIDE-PATH RECEIVER, CHANNELS 332.6 333.8, AND 335.0 MHZ; 10 TUBES. 5⅜x6½x14, $9.95
R-430/ARN-5C, MORE RECENT VERS. R-89, $12.95
R-122/ARN-12 MARKER BEACON, 75 MHZ FIXED, 9 TUBES. 6x5½x10, 12 LBS SH. $9.95
R-322/ARN-18 GLIDE-PATH RECEIVER, 329.3-335 MHZ, 20 CHANNELS IN 300 KHZ STEPS. WITH 16 TUBES, 115 VAC 400 HZ. 7⅝x5x13, $24.95



R-445/ARN-30 AIRCRAFT RECEIVER, 108-135 MHZ; SAME AS ARC R-13B. DESIGNED TO BE TUNED REMOTELY WITH SPLINE SHAFT. WITH TUBES 3/9003, 9002, 2/14R7, 14A7, 14F7 AND 12A6. REQUIRES 250 VDC 60 MA AND 28 VDC. SIZE: 6⅜x5x11¾, 12 LBS. SH. USED, $19.95
D-10/DM-32 DYNAMOTOR, 24 VDC, $4.95
POWER CONNECTOR, $2.00; SCHEMATIC, $2.00
C-1254/ARN-30 CONTROL; DIAL, VOL., UNUSED $8.
MC-215 FLEXIBLE SHAFT F/ARN-30, 6 FEET $1.50



SCR-522 RECEIVER-TRANSMITTER AM CRYSTAL CONTROL, 30 WATT, 4 CHANNEL ON ANY FREQ. IN THE 100-156 MC RANGE. TUBES TRANS. 2/832, 6SS7, 3/12A6, 6G6 REC. 1/9002, 9003, 12C6, 12H6, 3/12SG7, 12A6 & 2/12AH7. UNITS CAN BE RE-MOVED FROM CABINET CASE SEPARATELY. REQUIRES POWER SUPPLY. SIZE: 16½x12½x10¾; WT: 50 LBS. RE-COND $34.95
CONNECTOR PLUGS, $1.50 EA. OTHER ITEMS AVAILAB.

R-77/ARC-3 VHF RECEIVER A.M. 100-156 MC, CRYSTAL CONTROL ON 8 PRE-SET CHAN. WITH TUBES 6/6AK5, 3/12SG7, 2/12SN7, 1 EA. 9001, 9002, 12A6, 12H6, 12SL7 & 12SH7. VOLTAGE REQ. 24 VDC & 210 VDC @ 210 MA.
SIZE: 11x7x15; WT: 21 LBS. USED $24.50
R-5009/ARC-502 SIMILAR TO ARC-3 EXCEPT MADE FOR CANADA. (WE WILL SHIP WHAT IS AVAILABLE)

T-67/ARC-3 TRANSMITTER A.M. 100-156 MC, 8 CHAN. PRESET, CRYSTAL CONTROL, WITH TUBES 2/832, 2/6L6 3/6V6, 1/6J5 & 1/12SH7. VOLTAGE REQ. 24 VDC & 410 VDC @ 325 MA. SIZE: 15½x10x12½; WT: 22 LBS. USED $24.95
CONNECTOR PLUGS $1.50 OTHER ITEMS AVAILABLE.

T-366A/ARC TRANSMITTER 116 TO 132 MC, 5 CHANNELS CRYSTAL CONTROL WITH 5/5763 TUBES FOR 24-TO 28 VOLTS D.C. OPERATION. USES ARC#14958 CRYSTALS. APPROX. 5 WATTS OUTPUT, USED IN AIRCARFT. SIZE: 4½x4½x6; WT: 6 LBS. PRICE: RE-COND. $16.95

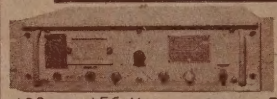
BC-473 REMOTE TUNING CONTROL for tuning Command Sets from remote position or for direct tuning of receivers R-11, R-19, or R-22 by using right angle spline adapter. Dial shows 190-550 KC, but you can change to your needs. Use for tuning only or wire to receiver for volume control and function select. 4½x3½x2, 2 lbs. With right angle adapter, unused, $7.95

R-101/ARN-6 RADIO COMPASS RECEIVER, 100-1750 KC IN FOUR BANDS WITH TUBES 6/12SK7, 4/12SX7, 2/26A7, 2/2050, 1/12SY7 & 1/12SX7. POWER REQUIRED 24-28 VDC.
SIZE: 11½x7½x15½; 40 LBS
PRICE: USED $39.50

AS-313/ARN-6 LOOP ANTENNA	USED	$7.95
ID-91/ARN-6 INDICATOR 3"	NEW	8.95
PD-5/ARA-19 TUNING DRIVE	USED	9.95
AM-203B/ARA-19 AMPLIFIER	NEW	8.95
C-149/ARN-6 CONTROL PANEL,	USED,	$9.95
MC-124 FLEX. TUNING SHAFT 20 IN.	USED	1.50
MC-203 "T" ADAPTER	USED	1.50
MC-136 RIGHT ANGLE ADAPTER	USED	2.00

CU-308B/U ANTENNA COUPLER; USES CATHODE FOLLOWER TO COUPLE SINGLE ANTENNA WITH THREE RECEIVERS IN THE 2 TO 24 MHZ RANGE. INCLUDES THREE 24 VDC 500 OHM SPST RELAYS, 4/5906 TUBES, AND FOUR BNC CHASSIS CONNECTORS. POWER REQUIRED: 24 VDC 180 MA. 5x5⅛x3¾; WT: 4 LBS. UNUSED, $9.95

R-518 RECEIVER



R-518/FRR-27 RECEIVER, SINGLE-CHANNEL CRYSTAL-CONTROLLED RECEPTION OF AM OR TONE SIGNALS IN THE 100 TO 156 MHZ. RANGE. DOUBLE CONVERSION DESIGN WITH IF'S OF 23 MHZ AND 3 MHZ. AUDIO OUTPUT: 1.5 WATTS INTO 200-600 OHMS, 15 MW PHONE. ANTENNA INPUT: 50 OHMS UNBALANCED. WITH SQUELCH AND TUBES 3/12AT7, 2/6AU6, 5654 2/6AV6, & 6005. POWER REQUIRED: 115 VAC 50-60 HZ. SIZE: 19½x6x18¾; 45 LBS. USED, $45.00

C-BAND AMP-MULTIPLIER

AM-915/GRC AMPLIFIER-MULTIPLIER, ORIGINALLY USED WITH THE T-302/GRC TRANSMITTER TO COVER THE C BAND, 225-400 MHZ FM. OUTPUT: 120 WATTS DRIVEN BY TWO 4X150's. SIZE: 12x6x14, SHPG. WT: 45 LBS. USED, $54.95
AM-1180/GRC 50-100 MHZ, (1) 4X150A, $49.50
AM-2537/TRA, 790-915 & 840-925 MHZ, $59.50

AMPLIFIER-CONVERTER PLUG-IN UNITS USED WITH R-417/GRC RECEIVER. 30 MHZ IF. CONTINUOUS TUNING OF RF AND OSCILLATOR. USED, COMPLETE. SIZE: 7½x6½x9½, SHPG. WT: 17 LBS.
AM-1179/GRC, 50-100 MHZ, $39.50
AM-914/GRC, 225-400 MHZ, 4/6J4, 5670, $34.95
AM-1177/GRC, 400-600 MHZ, $44.50

VHF ARC-5 EQUIPMENT

R-28/ARC-5 100 to 156 Mhz RECEIVER, crystal-controlled on four preset channels. Crystals inserted behind front access door which also conceals frequency dial and squelch adjust. Channel selection done by separate control box C-30/ARC-5. With tubes 4/717, 3/12SH7 2/12SL7, and 12A6. Requires 24 VDC for relay and selector motor, 250 VDC 60 MA HV. DM-32 may be used for HV. 14x7½x4¾, 16 lbs. $18.95
SCHEMATIC for R-28 or T-23/ARC-5, $1.50 ea.

T-23/ARC-5 TRANSMITTER, companion to the R-28, has 10 watt output, though can be modified for higher rating. Uses two 832 and two 1625 tubes. Audio power for modulating originally supplied by MD-7 modulator (not available). Frequency channel selection made by separate C-30 control unit. Requires 24 VDC for relays and selector; 600 VDC 175 MA for HV. Size: 15½x 8½x5⅝; 18 lbs. sh. Gov't. reconditioned $25.
C-30/ARC-5 CONTROL BOX for above, $3.00

EQUIPMENT BLOWERS

FASCO DUAL BLOWER 50 C.F.M. 115 VOLT 60 CYCLE .74 AMP. 2800 R.P.M. OUTLETS 2x1-5/8, 1 OUTLET IS PARALLEL TO MTG. BASE OTHER IS AT APPROX. 90° BUT CAN BE MODIFIED AS SHOWN IN ILLUSTRATION, INLETS 2¾". OVERALL SIZE 7¾x6x5½; 10 LB FASCO TYPE 21 XEROX #127S217 NEW $10.00

14 VOLT D.C. BLOWER, 1.25 AMPS. APPROX. 125 CFM; 3000 RPM. OUTLET: 2¼x2¼. INLET: 2-5/8" DIA. 8¾x3" MOUNTING FLANGE. OVERALL: 5¾x8¾x6 SHPG. WT: 7 LBS. USED, $10.95

HEINZE DUAL BLOWER 120 C.F.M 115 VOLT 60 CYCLE, 3000 R.P.M. .6 AMPS. INLETS 2¾" OUTLETE 2", OVERALL SIZE 8¾x6x6; WT: 12 LBS. HEINZE#D60362J52 USED $8.95

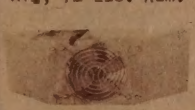
EASTERN AIR DEVICES BLOWER 100 CFM CAPACITOR TYPE MOTOR 120 VOLTS 60 CYCLE, 3300 R.P.M. INTAKE 3" OUTLET 2x2¾, OVERALL SIZE 6x6x6 W/MTG. EAD#87ABLC-2DR USED $12.95

TORRINGTON BLOWER, 200 CFM, 220 VOLT 3000 RPM, (110 V. 1500 RPM 100 CFM) INTAKE 4", OUTLET 2½x3, OUTLET MTG. 4" DIA. OVERALL SIZE 7x7x7⅞. 10 LBS TORRINGTON#A13980 NEW BOXED $18.95

ORDANANCE BLOWER 6 VOLTS D.C. APPROX 160 C.F.M., TURBINE TYPE IMPELLER, INTAKE 3", OUTLET 1" DIA., OVERALL SIZE 6½x6½x 4; WT: 7 LBS. ORD.#G486392 NEW $7.95

EASTERN AIR TWO SPEED BLOWER 2800/3200 R.P.M. CAPACITOR START MOTOR 1/40 H.P. .38 A. 115/230 VOLT 50/60 CYC. MOUNTED ON BASE W/ 4MFD. CAP. TERM. STRIPS ETC. BLOWER APPROX 150 CFM. INTAKE 3" OUTLET 1⅝x2⅜; WT:12 LBS. SIZE: OVERALL 8¾x11x 6⅜. EAD#B747M1-C USED $12.95

AIR MARINE BLOWER, 250 CFM APPROX. INLET: 5½" DIA; WHEEL WIDTH: 2⅝". OUTLET: 3⅜"W X 1⅜"H. WITH CAPACITOR. 115 VAC 60 Hz. OVERALL: 7¾x8 x7½; 12 LBS. REM. F/EQUIP., $20.95



FAN TYPE BLOWER, 115 VOLT 60 CYCLE, 20 WATT, 4" PLASTIC FAN BLADES, OPEN FRAME NOISELESS MOTOR, MOUNTED IN CADIMUM CASEMENT TYPE FRAME APPROX. 100 CFM. USED SIZE:13x5x2; 5 LBS. HOWARD#1075-3102 $3.95

COOLING FAN . AXIAL FAN 115 115 V 60 Hz . VAC 60 Hz 15 4¼x2⅜, alum . watt, 4¾" sq. inum blade; . Durable plasremoved. . tic; removed. URC3391 $3. . #M-747A $8.95

HEATSINKS

9x4x1 1/8" ALUMINUM. DRILLED FOR 3/TO-3 #3T941 UNUSED $2.75

12x4x1 1/8" ALUMINUM. DRILLED FOR 4/TO-3. #4T124I UNUSED $3.35

BLACK TAB MTG HEATSINK WITH 2/2N3055 OR EQUAL W/HDWR INSULATOR, RESISTORS 4⅜x1 1/8x2¼ (4 7/8) TOTAL #HSW/2T, $2 EA.; 4 FOR $5.

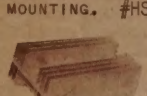
#HSW/1T, SIMILAR TO ABOVE BUT WITH ONE TRANS. SIZE: 3-7/8x2-7/8x1-1/8. $.85 EA. 4 FOR $3.

#THS, SIMILAR TO ABOVE; NO TRANS., 2 FOR $1.

#DHS, SAME AS ABOVE, ANODIZED DRILLED FOR DO-4 DIODES. 3-7/8x2⅛x1-1/8, 2 FOR $1.00

DELTA T 100 WATT (78°C) HEATSINK, BLACK, UNUSED, UNDRILLED; 5⅛x4½x2⅛. #NC-423, $3.25 EA

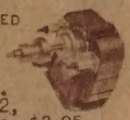
DUAL TO-36 HEATSINK, 3x3⅜x1-3/8; FLANGE MOUNTING. #HST036, $.75 EA. 3 FOR $2.00



#2D734 HEATSINK, 7x4¾x2⅜, drilled with two 25/32" dia. holes. 3 lbs sh. Unused. $3.50

FULL-WAVE BRIDGE RECTIFIERS, 200 V 25 amps: GI#KBPC25-02, 1-1/8" sq., 4-term., $1.95 VARO VTA200/S, c.t. cath., stud mt. $1.50 1N1337, -R; 300 PIV 250 A; no hrdwre, $7.50 SEE PAGE 35 for more diodes, transistors.

TAPE RECORDER MOTORS



DUAL SPEED OPEN FRAME MOTOR, USED WITH RECORDING UNITS. 115 VAC 60 Hz; 2000 AND 3000 RPM. 3/16" DIA. SHAFT EXTENDS BOTH SIDES WITH PULLEYS FOR BELTS ONE SIDE. MOTOR SIZE (LESS SHAFT): 2⅝x2⅝x2, SHPG. WT: 4 LBS. #TM-381, UNUSED, $3.95

HEAVY DUTY TAPE RECORDER MOTOR 115 VAC 60 Hz, 1500 RPM. MOTOR SIZE: 3⅜x3⅜x2⅜, SHAFT 1¼x5/16" DIA. WT: 5 LBS. STK. #D6-20220 UNUSED, $5.95

RECORDER MOTOR, 1500 RPM; 115 VAC 60 Hz, DOUBLE END SHAFT, ¼x3/16" DIA. & 1x3/16" W/PULLEY. MOTOR SIZE: 2⅝x2⅝x2⅜ WT: 2 LBS. STK. #G140700 UNUSED, $4.95

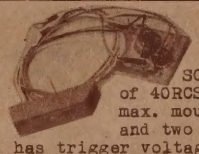
RECORDER MOTOR, 1500 RPM; 2" SHAFT IS 3/16" DIA. FOR 1¼"; 3/64" DIA. LAST ¼". 3/8x3/16" DIA. SHAFT ON OTHER SIDE. MOTOR SIZE: 2⅝x2⅝x2 WT: 2 LBS. #602-1 UNUSED, $4.75

SPRITE FAN

ROTRON MODEL SU2A5

Small 3-1/8x3-1/8x1-5/8 size. Seven blade plastic fan in die cast housing. 115 VAC 60 Hz. 2 lbs. sh. NEW, $12.95

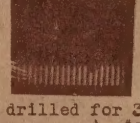
FIVE BLADE COOLING FAN, 4-5/8" dia. rotation; no enclosure. Mounting bracket hole centers 5-7/8" apart. 115 VAC 60 Hz. 2 lbs. sh. Airtrol #11-2100, NEW, $4.95



CROWBAR OVP

SCR CROWBAR CIRCUIT, consists of 40RCS5 SCR rated I_t 63 A 50 V-max. mounted with thermal switch and two resistors. Potted assembly has trigger voltage adjust 4-7 V. Use with 5 V supplies for overvoltage protection or modify for other uses. #CRBR-40, NEW, $4.95

SERIES 680 HEATSINKS, 1½" sq. NEW #1.0G-5-5, 1" high with 0.33" dia. hole for rectifier, 85¢ ea. #.75A-16-1, 0.75" high for TO-3 transistor, 75¢ ea.



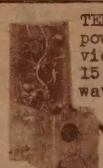
HEATSINK PLATE 10½x12 with 1" fins. Has two 1N1201A diodes (150 V. 12 amp) and a 2N5885 (60 V 25 A.) transistor. 6 lbs sh. #6312725, NEW $3.95

#3D523-8 HEATSINK, 5x3x1-9/16; drilled for 3 large stud rectifiers (1" dia. recesses), $2.

TRANSISTORIZED

TRANSISTORIZED-REGULATED P.S. INPUT: 105-125 VAC 50/60 Hz. MOUNTED ON CIRCUIT BOARD, 4½x5, WT: 3 LBS. UNUSED, #CD5N1.5 5 VDC 1.5 A. $15. #CD12N.85 12 VDC .85 A. $18.

THUNDER POWER SUPPLY, trans. reg. 3.7 VDC 750 MA f/115 VAC 60 Hz in. W/info to modify to 3-10 V 500 ma, approx. 3½x5x3, 5 lbs. NEW, $12.

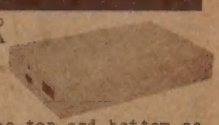


TEN THOUSAND VOLT DC to DC power supplies, p/o Sanders video display. Requires 10-15 VDC 1 amp 5-7 Khz square wave at TTL levels to drive the output amplifier. MODEL 13904 uses 2/2N3055 xistors or equal. MODEL 11665 uses one TO-3 xistor. With hook-up diagram; no schematic. 10x5x6, 5 lbs. GOOD EXPERIMENTER ITEM

#13904 $12.95 #11665 $10.95

FASCO BLOWER, 200 CFM, 115 VAC 60 Hz. 2.2 amp @ 3200 RPM. 4½" dia. inlet; outlet 3x3½. Flange mounting 4½x4¾. O/A 8x8x8; 12 lbs. sh. #60755-J448, used, $10 ADAPTER for 2/2½" dia. inlets, $3.00

CHASSIS -- ENCLOSURE



ALUMINUM ENCLOSURE w/top and bottom sections. O/A 14"L x 7½"W x 2-3/8"H. Top has no cuts. Bottom has cutouts on one end for fuse, AC power, and control. Use as-is or use top and bottom as separate chassis. #RCU-MI2, new, $5. 3/$12.

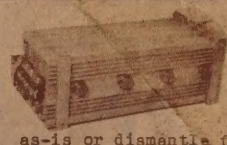
HEATSINK ASSEMBLIES

HEATSINK ASSEMBLY with 8x4x1 heatsink on mtg. bracket. Has two 100 PRV 100 amp (MR1211SL) rectifiers with stud mt., solder terminal. #HCR-MR1211, 5 lbs $10.

#3NPN-HS HEATSINK ASSEMBLY, 4-5/8x3½x1-3/8; has three NPN power transistors similar to 2N3055. 2 lbs. sh. $2.50

#75-4-2400 SERIES 400 HEATSINK with two 1¾" dia. power rectifiers at least 100 PIV 100 amp each. Size: 5x5x6 w/1-5/8" fins. 8 lbs. sh. Removed, $15.

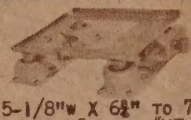
#75-4-400S SERIES 400 HEATSINK with 7/8" dia. SCR at least 100 PIV 100 amps. Size: 5x5x4, 4 lbs. sh. Removed, $7.95



LARGE HEATSINK BANK consisting of five 12¾"L x 5"W x 1"Th heatsinks and 19 transistors similar to 2N3055's. Assembly originally part of 4 V. 75 amp power supply. Use as-is or dismantle for parts. O/A 13½x5x3, 12 lbs sh. Removed f/equip. #HSB4-75, $18.95

POWER SUPPLY HEATSINK BANK, CONSISTS OF FIVE 3½x4½x1 HEATSINKS. THREE EACH HAVE TRANSISTOR EQUAL TO 2N3055; ONE HAS TRANSISTOR AND SCR; AND ONE HAS TWO 200 V. 15 AMP (APPROX.) DIODES. ORIGINALLY ASSEMBLED AS PICTURED; SHIPPED DISASSEMBLED ONLY--NO BRACKETS $6.50

RECTIFIER CAPACITOR ASSY WITH TWO 950 MFD 75 VDC (90V SURGE) COMPUTER GRADE CAPACITORS, TWO 50 MFD 75 VDC CAPS, AND FIVE 200 V 2 AMP DIODES. MOUNT BRACKETS INCLD. USE AS BASE FOR SMALL POWER SUPPLY. REMOVED FROM EQUIP-EXCELLENT, $2.95



ADJUSTABLE ALUMINUM SHOCK-MOUNT WITH FOUR 1¾-3 LBS. SHOCKMOUNTS. PERFECT FOR SMALL POWER SUPPLY, AMPLIFIER OR OTHER GEAR. FITS 5-1/8"W X 6¾" TO 7¾" DEEP UNIT; 2" HIGH. SH WT: 3 LBS. #MT-569A/ARA, UNUSED, $2.50

HORN

SIMPLEX HORN, 6 VAC 2.5 AMP 60 Hz. MAKES LOUD PENETRATING NOISE; SCREWDRIVER VOLUME ADJUST. HEAVY STEEL CONSTRUCTION. DESIGNED FOR PARTIAL RECESS MOUNT. FRONT ENCLOSURE 4x4x1½; DEPTH REQUIRED BEHIND: 1⅞. #624-427, $5.95

NOISEGUARD

NOISEGUARD HEARING PROTECTORS USED TO REDUCE NOISE LEVEL IN HIGH NOISE LEVEL AREAS. LIGHTWEIGHT ASSY WITH ADJUSTABLE HEADBAND. W/INSTRUCTIONS. #FM-2011 NEW 1 LB. $4.95

AM-FM TUNER

AM-FM TRANSISTORIZED TUNER, 5 TRANSISTOR 4-DIODES WITH AVC AND AFC. CONSISTS OF RF OSCILLATOR, IF, DETECTOR STAGES. REQUIRES 9 VDC. NOT GUARANTEED OPERABLE. UNUSED WITH SCHEMATIC AND HOOKUP DIAGRAM. 4½x3½x1¾ BC-CD-34 TUNER $2 EA.; 3 FOR $5.

U.H.F. RECEIVER

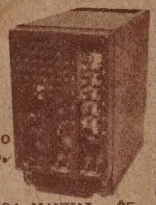
R-48/TRC-8 RECEIVER F.M. 230 TO 250 MC. ONE BAND VARIABLE TUNING, VOLTAGE REQUIRED 115/230 60 CYC. WITH SPEAKER, PHONE JACK, SQUELCH CIRCUIT 2½" METER FOR CIRCUIT CHECKING. WITH TUBES 8/6AG7, 1/9002, 1/5U4, 1/6V6, 1/VR-150, 1/6N7, 1/6SN7, 1/6AL7. SIZE: 20x19x16; WT: 75 LBS. USED $34.95

MN-26K RADIO COMPASS

BENDIX MN-26K RADIO COMPASS, USED WITH AIR NAVIGATION EQUIPMENT AS DIRECTION FINDER OR GENERAL RECEIVER. COVERS 200 TO 1750 KHZ IN BANDS (200-410), (410-850), & (850-1750 KHZ). TUNE DIRECT OR REMOTELY WITH SPLINE SHAFT AND CONTROL BOX. REQUIRES 230 V. 100 MA AND 28 VDC. W/TUBES 6F6, 6B8, 2/6J5, 2/6N7 AND 5/6K7. CONVERSION INFO INCLD. 17½x11½x12; 45 LBS. USED, LESS DYNAMOTOR, $16.95

MN-28LB CONTROL BOX F/MN-26LB REC. SOME DIAL NUMBER CHANGE REQ. FOR USE WITH MN-26K $3.95
MC-124 FLEXIBLE SHAFT F/MN-26 20" 1.50
MC-127 SPIN TUNING KNOB FOR REC. 1.50
MC-203 "T" ADAPTER FOR SHAFT & KNOB USE 1.50
MN-26 MANUAL FOR MODELS A,C,M,W,Y,X (BASICLY SAME AS "K" & OTHERS. 5.00

BC-603 FM RECEIVER, 20-27.9 Mhz using ten push-button preset channels; built-in speaker. Requires 220 VDC 80 ma, 12/24 VDC. 11½x6¾x12½; 40 lbs sh. Used, less dynamotor, $50.00 W/DM-34 12 VDC dynamotor, $55.



BC-604 TRANSMITTER, companion to above; w/o dynmtr. 65 lbs; $25.
DM-35 DYNAMOTOR for BC-604, 12 VDC input, unused, $20.00
BC-603/604 MANUAL, $5. BC-683/684 MANUAL, $5.

VHF RECEIVER

BC-639 RECEIVER, 100 to 156 Mhz AM continuously tunable over a single band. Controls for CW, tone, AVC-Manual, RF and Audio Gain, Attenuation, and Sensitivity. With tuning meter, phone jacks, and tubes 3/9003, 9002, 4/6SG7, 6SQ7, and 6K6. Power required: 210 VDC 60 MA and 6.3 VAC 3.5 amps. Size: 10½x19x10, 48 lbs sh. Used, reparable, $30. Checked, $60.

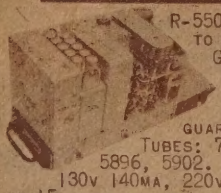
---

115 VAC 60 Hz POWER SUPPLY for BC-639; with speaker. Our construction, $28.00
CONNECTOR only for receiver, $3.00
MANUAL f/BC-639, partial reproduction, $8.50

225-400 MHZ RECEIVER

R-482/URR-35 RECEIVER, 225 TO 400 MHZ AM AND MCW IN ONE CONTINOUSLY TUNABLE BAND. DUAL CONVERSION; 18.6 MHZ 1ST IF, 1.775 MHZ 2ND. PROVISIONS FOR PANADAPTER WITH 600 KHZ BANDWIDTH. ANTENNA INPUT IMPEDANCE: 50 OHMS. AUDIO OUTPUT: 60 MW INTO 600 OHMS. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 8½x17½x19½; SH WT: 65 LBS. USED, REPARABLE, $75.00; CHECKED, $125.00

20 CHANNEL RECEIVER



R-550/ARR-40 VHF RECEIVER 265 TO 284.9MHZ IN 20 CHANNELS. GUARD CHANNEL 243.0 MHZ. ONE MEGAHERTZ CHANNEL SPACING. RECEIVER MODULES AUDIO, 1.85MHZ IF, IF AND GUARD, RF AND INJECTION UNIT. TUBES: 7/6201, 8/5840, 3/6AK5, 2/5896, 5902. POWER REQUIRED: 28VDC, 130V 140MA, 220V 20MA. SIZE 12½x4½x6. SH WT 15 LBS. W/COVER, SCHEMATIC; USED, $19.95
28 VOLT DYNAMOTOR FOR R-550 WT 5 LBS $4.95

WW-II VEHICLE RADIO

BC-659 TRANSCEIVER as used in World War II military vehicular communications; transmits and receives on two preset channels in the 27.0 to 38.9 Mhz FM range. Transmitter output: 1.3 W. Set has tuning meter, speaker, and tubes 5/1LN5, 2/3B7, 4/3D6, 1LH4, 1LC6, and 1R4. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.94 amp, 90 VDC 48 ma, 7.5 VDC 300 ma, and 150 VDC 50 ma. Size: 12x16½x21½; 40 lbs. sh. Used, not checked, $45.00

PE-117 VIBRATOR POWER SUPPLY provides voltages for BC-659 from 6 VDC or 12 VDC power input. Unit fastens to bottom of BC-659. 9x16½x19, 39 lbs. sh. Used, $18.

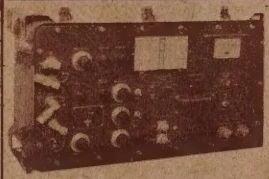
PE-120 VIBRATOR POWER SUPPLY, similar to PE-117 but operates from 6, 12, or 24 VDC depending upon vibrator used. Shipped with 6 VDC (VB-12) vibrator. Used, $17.50 12 VDC vibrator, $3.95 24 VDC vibrator (VB-11) not available.

CS-79 BATTERY CASE for manpack use of BC-659; 6½x15½x18½, 17 lbs. sh. Used, $6.00

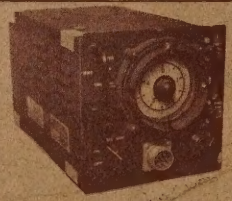
FT-250 VEHICULAR SHOCKMOUNT for BC-659 and PE-117 or -120, 14 lbs. sh. Used $17.50

SCR-609/610 MANUAL, $5.00
AN-29 WHIP ANTENNA, extends 154", used, $10.
MP-48A MAST BASE for use with MS-49--53 mast sections, $12.00; BG-108 BAG f/MP-48, $2.50
MS-49 thru -52 MAST SECTIONS, 5 ft., $.75 ea.
MS-53 MAST SECTION, fits MP-48, $1.00 ea.
TM-218 TERMINAL BOX for antenna, $4.95
TS-13 HANDSET, $10.00 with purchase of set.
T-17 MICROPHONE, used, $6.95; recond., $9.00

4.4 - 5.0 GHZ TRANSCEIVER



RT-252/TRC-27 MICROWAVE TRANSCEIVER, 4400-5000 Mhz pulse-position modulated, continuously tunable. Converts video channel pulses into RF for transmission and receives RF and converts it back into video pulse. Receiver IF: 60 Mhz; 10 Mhz bandwidth. Noise figure: 13 db. Has AGC and AFC. Transmitter uses video amplification and plate modulation of planar triode type RF oscillator. With tubes 2K22 klystron, 6280 planar triode, 13/5654, 5670, 5726, 5727, 5814, 2/12AT7, 2/6X4, 6AU6, 3/0A2, 5933, and 3/6AQ5. Power required: 115 VAC 400 Hz. Size: 14½x25½x11½, 75 lbs. sh. Used, not checked, $150. Schematic, $5.00



I-152(*) INDICATOR; USED WITH BC-788 ALTIMETER FOR INDICATING HEIGHT OVER TERRAIN IN AIRCRAFT WITH 3DP1 CATHODE RAY TUBE(SAME SOCKET/SHIELD AS 3BP1 TUBE AND OTHER TYPES) ALSO TUBES 3/6AG5 AND 2X2. HAS R.F. CIRCUIT, POTENIOMETERS, 115 V. 400 CYCLE POWER SUPPLY ETC. (WILL MAKE GOOD FOUNDATION FOR A MONITOR) SIZE:6½x6½x12; WT:9 LBS. PRICE: USED $8.95 SCHEMATIC $1.00

ARR-58 FM RECEIVER

R-863/ARR-58 RECEIVER, FM 162.25 TO 173.5 MHZ. DESIGNED TO RECEIVE SONOBOUY SIGNALS ON 16 PRESET CHANNELS. IF=30 MHZ. INPUT IMPEDANCE: 52 OHMS. MORE RECENT VERSION OF THE R-316/ARR-26 RECEIVER. CONVERSION INFO FOR R-316 TO 145-175 MHZ PLUS AUDIO, SQUELCH, AND 115 VAC 60 Hz POWER MODIFICATION INFO INCLUDED. WITH TUBES 7/6AK5, 2/6AS6, 2/6AL5, 6J6, AND 5814. POWER REQUIRED: 150 VDC 125 MA AND 6.3 VAC. SIZE: 5x8x17, WT: 20 LBS. USED, $19.95

TMO 200-400 Khz TRANSMITTER, 47 W into 70 ohm res. load out. W/load coil, RF, modulator, & 115 VAC 60 Hz power units. 450 lbs sh. $150.

LF RECEIVER

BC-1003 LOW FREQUENCY RECEIVER & DIRECTION FINDER, covers 100 to 1000 Khz in three bands: 100-200, 200-450, and 450-1000 Khz AM and CW. Designed for use as direction finder with LP-33 (not available) loop antenna as pictured. Usable as LF receiver without the loop. Has dual needle direction indicator which functions as a tuning meter when loop is not used. Kilocycle tuning dial has coarse and fine adjust. Volume balance, BFO, AVC-MVC controls. Antenna trimmers on front for freq. bands. With tubes 6/12SG7, 2/12SA7 2/12C8, 12A6, and 12SJ7. Power required: 230 VDC 100 ma and 12 VDC 3 amps. Size: 8x12x14½ (receiver only). Sh wt: 48 lbs.
BC-1003, no loop, unused, $75.00
MANUAL for BC-1003, partial repro., $8.50
PE-133 12 VDC DYNAMOTOR for BC-1003, $10.00
AC POWER SUPPLY, our construction, $23.00

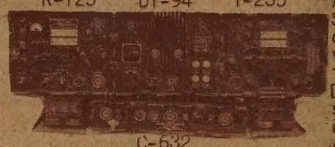
KSR TELETYPEWRITER

KSR-33 TELETYPEWRITER AND KEYBOARD, CAN BE ADAPTED FOR VARIOUS RTTY AND COMPUTER APPLICATIONS. SPEED: 66 WORDS PER MINUTE; 600 OPERATIONS PER SECOND. HAS THE FOLLOWING FUNCTIONS: CARRIAGE RETURN, LINE FEED, SPACE, AND SHIFT. UTILIZES ASC-II CODE WITH PARITY BIT. TAKES 8½" SPROCKET-FED PAPER. THIS IS A STANDARD ITEM; PARTS ARE AVAILABLE FROM A NUMBER OF SOURCES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 8½x18½x18½; SHPG. WT: 50 LBS. USED, OPERATIONAL, BUT MAY REQUIRE SOME ADJUSTMENT. LESS COVER, $250. W/COVER, $300.

12 - 24 VDC POWER SUPPLY

CPP-2 POWER SUPPLY; OUTPUT: 12 VDC @ 22 AMPS OR 24 VDC @ 11 AMPS. WITH MA&MS AND LOAD CONTROL, AND OUTPUT MODE INDICATOR LIGHTS. POWER REQUIRED: 90-130 VAC 60 Hz. SIZE: 11x18½x10½; SHPG. WT: 90 LBS. USED, $65.00

AN/GRC-10 RADIO SET



AN/GRC-10 RADIO SET, CONSISTS OF R-125 RECEIVER, T-235 TRANSMITTER, DY-94 AC POWER SUPPLY, C-632 CONTROL UNIT, AND THE MT-700 RACK DESCRIBED SEPARATELY BELOW. USES SAME ACCESSORIES AS THE OTHER GRC EQUIPMENT WE ADVERTISE. SHPG. WT: 250 LBS. USED, $200.00

R-125/GRC-10 RECEIVER, 54 TO 70.9 MHZ FM IN 100 KHZ STEPS; DUAL CONVERSION, 23 TUBES. REQUIRES 200 VDC 100 MA AND 24 VDC 1.3 A. 11½x9x12½; 36 LBS. SH. USED, $50.00

T-235/GRC-10 TRANSMITTER, 54 TO 70.9 MHZ FM IN 100 KHZ STEPS. TRANSMITS VOICE, CW, PHONE AND FAX; OUTPUT 40 WATTS (HI) OR 10 WATTS (LO). HAS 16 TUBES INCLUDING 4X150D IN THE POWER AMP. REQUIRES 550 VDC 150 MA, 250 VDC 120 MA, 20 VDC 25 MA, AND 24 VDC 1.7 AMPS. 11½x9x12½; 40 LBS. SH WT. 42 LBS. $89.50

DY-94/GRC-10 AC POWER SUPPLY FURNISHES ALL THE NECESSARY VOLTAGES FOR THE R-125 AND T-235 FROM POWER INPUTS OF 115/230 VAC 50-65 Hz (292 WATTS) OR 24 VDC (326 WATTS). HAS FORCED-AIR BLOWER FOR COOLING. SIZE: 11½x9x12½; SHPG. WT: 75 LBS. USED, $99.50

C-632/GRC-10 CONTROL SET COORDINATES THE POWER AND ANTENNA CONNECTIONS IN THE GRC-10 SET AND WITH OTHER SYSTEMS. POWER REQUIRED: 115/230 VAC 50-65 Hz OR 24 VDC. SIZE: 17x3½x12½; SHPG. WT: 15 LBS. USED, $34.95

9-PIN GRC CONNECTOR FOR POWER/CONTROL, $3.00
OTHER GRC/VRC ACESSORIES LISTED ON PAGE 18.

*P.U.R. = PRICE UPON REQUEST

0.5 - 32 MHZ RECEIVER

R-390A/URR RECEIVER, covers 0.5 to 32 Mhz in 32 one Mhz bands read directly from a counter-type indicator. Mechanical filters. Triple conversion: 1st IF variable 17.5-25 Mhz; 2nd, 3-2 Mhz; 3rd, fixed 455 Khz Receives CW, MCW, and voice; also single sideband and FSK through use of BFO. Built-in crystal calibrator every 100 Khz. Output impedance: 600 ohms. Antenna input imped: 125 ohms balanced. Rackmount, no covers. 115/230 VAC 60 Hz. Size: 10¾x19x16¾; 95 lbs. sh.

R-390A USED, REPARABLE, CHECKED, $450.00 MANUAL, $12.00 **$295**

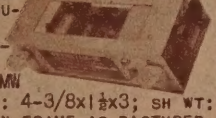
XMITTER MODULATOR

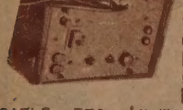
MD-203/GR MODULATOR, converts a transmitter's CW signals into frequency shift signals for teletypewriter transmission when coupled to the transmitter's exciter. Designed for use with T-195/GRC xmitter, the unit is usable with any xmitter with a fundamental frequency in the 1.5 to 3 Mhz range. Frequency shift: 850 Hz (1.5-3.0 Mhz), 425 Hz (3-6 Mhz), 212 Hz (6-12 Mhz), and 106 Hz (12-20 Mhz) according to ten position freq. band selector switch. 1 volt min. input necessary. With tubes 26A7, 26D6, and 5/26A6. Power required: 27 VDC 1.8 amps. 9¼x7¼x13¼, 25 lbs. sh. Used, $17.50; Power plug, $3. w/set purchase. MANUAL for MD-203, partial reproduction $8.50

CODE PRACTICE SET

AN/GSC-1 CODE PRACTICE SET designed for student practice of Morse code, accommodating upto 10 keys. Hand keying produces either an audio tone with adjustable volume and pitch or a blinker flash. Has effective range of 40 ft. if background noise is less than 60 db Can be operated from 6, 12, 24, or 115 VDC or 115/230 VAC. With built-in speaker, blinker, volume and pitch controls and tubes 6X5 and 2/6AK6. Keys not included. 13¼x18x11; 58 lbs sh. Used, $14.95; Gov't. recond., $24.95

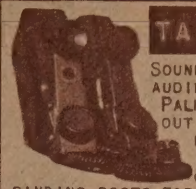
SOLID-STATE AUDIO FREQUENCY AMPLIFIER, DESIGNED FOR USE IN AIRCRAFT ON-BOARD COMMUNICATIONS. FOR TALKING OR LISTENING. HAS PEAK CLIPPING AND AGC CIRCUIT. RESPONSE: 200-6000 Hz; 150 MW OUTPUT. USES 27 VDC. SIZE: 4-3/8x1½x3; SH WT: 2 LBS. AM-476/AIC-10, OPEN FRAME AS PICTURED, USED, $4.95; AM-476, SEALED/POTTED, $2.95





C-113/TRC-1 CONTROL UNIT AND INTERCOM SET FOR USE WITH REC TRANS. OR SEPARATE INTERCOM. OPERATES FROM 115 V. 60 CYCLE HAS MIC. AND HEADSET JACKS, BINDING POSTS TO CONN. WIRE, PL-68 PLUG & CABLE, 5 WIRE CABLE, ETC. IN WOOD CASE WITH STORAGE COMPARTMENT. SIZE: 14x9½x12; WT: 25 LBS. USED $6.95

RC-298 ARMORED TANK INTERPHONE EXTENSION KIT; CONTAINS HEAVY GAUGE WATERPROOF STEEL BOX WITH HANDSET & COILED CORD, SIGNAL LIGHT, CALL SWITCH, VOLUME CONTROL ETC. REMOTE CALL BOX HAS 2 SW. SIGNAL LITE, CABLE CONN. ETC. CABLE 7 COND. 30 FT. HARDWARE KIT HAS 125 PCS. OF VARIOUS ITEMS, RUBBER TAPE, EXTRA SW, LENS AND LAMP ETC. SHPG. WT. 78 LBS. PRICE: NEW $25.00



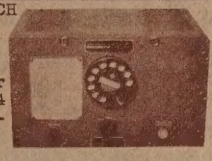
TA-1/PT TELEPHONE

SOUNDPOWERED TELEPHONE SET WITH AUDIBLE AND VISUAL CALL SYSTEM. PALM OPERATED GENERATOR PUTS OUT APPROX. 100 V. THAT SOUNDS BUZZER IN OTHER PHONE AND ACTUATES VISUAL INDICATOR. COILED CORD WITH PUSH TYPE BINDING POSTS FOR INTERCONNECTING WIRES TO BE FASTENED TO. COMES WITH FIBER CARRING CASE. SIZE: 8⅜x3⅜x3½; WT: ACT 2LB USED $25.00 EACH

TA-43/PT TELEPHONE SET IS A RUGGED, LIGHTWEIGHT, WATERPROOF FIELD TELEPH. THAT CAN BE USED OUTDOORS ON A DESK OR WALL MOUNTED. HANDCRANK GENERATOR FOR RINGING BUZZER. REQUIRES 2/1½ V BATT. FOR LOCAL USE NONE REQ. W/CB. UNIT COMES IN A CANVAS CASE & SHOULDER STRAP WITH ZIPPER. SIZE: 12x7x4; WT: 10 LBS. $45.00

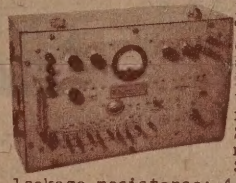
* *

R-391/URR RECEIVER, 0.5 - 32 Mhz; similar to R-390 receiver plus has 24 V 3 amp autotune for eight preset channels. Reparable, $285. R-388/URR RECEIVER, 0.5 to 32 Mhz, linear scale dial; similar to Collins 51J3. WRITE.



C-973/FRR-33 REMOTE SWITCH CONTROL, used in remote operation of upto three AN/FRR-33 RTTY systems. Provides 1105 Hz tone for control circuits of C-974 in each system. Has telephone dial for selecting 8 channels and other receiver functions. W/tubes 5Y3, 3/6AK6, 5651, 6082. 115/230 VAC 60 Hz. 26 lbs. Unused, $20

TELEPHONE TEST SET



I-142/PTM-6 TELEPHONE TEST SET, measures characteristics of telephone and related equipment including these operations: 1. Sound source for mics and receivers; 2. Efficiency test for mics and receivers; 3. Capacitor test for leakage resistance; 4. Generator test; 5. Ringer test; 6. Insulation test; 7. Dial test indicating percent of pulse period; 8. Continuity test; 9. Instrument tests such as 600 ohm circuit for sound-powered equipment; 24 V. DC-AC res. circuit for common battery phones; impedance matching circuits for carbon and magnetic mics and receivers. Meter has scales -10 to +6 DB and 0-100 VDC. Requires external batteries for 3, 12, 24, and 135 VDC. Batteries not available. 19x12 x9, 46 lbs sh. I-142, used, $59.50
TS-903/PTM-6A, more recent; 65 lbs., $65.00

RD-60/U CODE RECORDER OF RADIO TELEGRAPH CODE SIGNALS. USES 3/8" WIDE, 800 FOOT ROLLS OF PAPER TAPE. RECORDS CODE SPEEDS UP TO 1000 WORDS PER MINUTE WITH A RECORDING TIME OF 26 MINUTES (LOW) OR 13 MINUTES (HIGH). INPUT SIGNAL FREQ. 500 TO 5000 HZ. INPUT IMPEDANCE 500 AND 5000 OHMS. OUTPUT IMPED. 6 OHMS.

WITH 9 TUBES. POWER REQ. 115 V. 60 HZ. SIZE 19x16x12¾; WT: 150 LBS.
PRICES: USED LESS CABINET REPARABLE $19.95
" WITH " " 24.95
Gov't RE-CONDITIONED W/CABINET 30.00
MANUAL for RD-60 recorder, $5.00

MULTIPEX

PHILCO CST-2 SIGNALING AND TERMINATION UNIT. FOR USE IN MULTIPLEX SYSTEMS FOR TRANSMISSION OF DIAL OR RINGDOWN SIGNALING AND TERMINATES A FOUR WIRE CIRCUIT OF THE MULTIPLEX INTO A TWO WIRE TELEPHONE CIRCUIT. A 3.5 KC TONE IS USED FOR SIGNALING. ALSO HAS CONTROLS FOR PROPER ATTENUATION OF VOICE LEVEL. OPERATES FROM 115 V. 60 CYC. AND IS COMPLETE WITH 2/12AU7 TUBES, RELAYS. RACK MTG. 19x4½x12; WT: 25 LBS. PRICE: UNUSED $12.95

TRANSMISSION

TS-387 MIC & HEADSET TESTER, checks sensitivity of carbon and magnetic mics; sensitivity, noise, and match of headsets; and flight suit circuits. Has 1 Khz oscillator, 600 ohm audio amp, 0-3-9 AC ammeter, 24 VAC output, and 0-135 V 1 amp Variac. 115 VAC 50-1600 Hz. 10¾x13¾x18, 62 lbs sh. Used, $39.50

DAYTRONIC 300D TRANSDUCER AMPLIFIER INDICATOR w/71 differential and V plug-ins, $135. ERICSSON 2/LTM35500 TELEPHONE TESTER, $175. WILTRON 9271 TRANSMISSION TEST SET, $110.00

SIGNALING SYSTEM

DUPLEX SIGNALING UNIT DSU-2 AUDIO TONE TRANS. & REC. FOR USE IN THE 2000 TO 7475 HZ CARRIER SYSTEM FOR LAND LINE, POWER LINE OR RADIO SIGNALING. REC. CAN BE ON SAME OR DIFFERENT FREQ. CH. CNT. FRE 2000-3500 @ 100HZ INTER. KEYING SPEED 14-21 P-PER-SEC. TRANS. OUTPUT 600 OHM. REC. INPUT 600 OHM. POWER REQ. 105-125v. 50/60HZ, FOR 19" RACK MOUNT. W/TUBES 2/12AU7, 2/6AG5, 1/6AL5, 1/5964 (RELAY) 1/5Y3 ALSO 2 SEPARATE ASSY. LAMP PANEL ASSY. W/BUZZER & VOICE BAND FILTER PANEL. SIZE: 3½x19x8, OTHER UNITS 1¾" DEEP. WT: 50LB HAMMARLUND DSU-2M W/MANUAL $18.95

MODEL 14 TELETYPE TRANSMITTER--DISTRIBUTOR SINGLE CHANNEL, GOVERNOR CONTROLLED MOTOR 1/25 HP 2100 RPM, TAPE DISC NO. 77070, 60 WPM, POWER REQ. 115 V. 60 CYCLE. SIZE: 15½x8¾x9; WT: 35 LBS. PRICE: USED $19.95

TAPE, TELETYPEWRITER

TELETYPE PERFORATOR TAPE, 11/16" WIDE 900 FT. OILED ROLLS. $.60 PER ROLL; 10 ROLLS for $5.

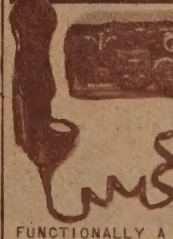
TELEPHONE BOX

EE-9I TELEPHONE BOX WITH PLUG-IN HANDSET. HAS CRANK GENERATOR FOR RINGING MAGNETO LINES; 3000 OHM LINE RESISTANCE TALKING CIRCUIT HAS 30 DB NET LOSS. DESIGNED FOR WALL MOUNT WITH MTG. FLANGES PROVIDED. REQUIRES 3 VDC FOR OPERATION. SIZE: 6x7½x5 WT: 16 LBS. $19.95

OPERATOR'S CIRCUIT

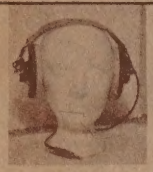
TA-277/GTA-6 OPERATOR'S TELEPHONE CIRCUIT FOR UP TO TEN LINES. EACH LINE HAS SWITCH WITH "TALK" AND "RING" POSITION. ALSO WHITE AND RED INDICATOR LIGHTS FOR EACH LINE. TWO INPUT JACKS. SIZE: 7x8x12 WT: 15 LBS. Used, complete, $14.95

FIELD PHONE-CONTROL SET



C-2172/GRC-14 FIELD REMOTE CONTROL SET; DESIGNED FOR USE WITH AN/GRC-14 RADIO GROUP IN AM, PHONE, AND CW KEYING OPERATIONS OVER A TWO-WIRE 600 OHM TELEPHONE LINE. INCLUDES 20 Hz RINGER SYSTEM CONSISTING OF A HAND-CRANK MAGNETO GENERATOR AND BELL. WHEN USED WITH A H-33/PT HANDSET, THE CONTROL UNIT IS FUNCTIONALLY A FIELD TELEPHONE. TERMINALS PROVIDED FOR PHONES, MIC, AND KEY. SWITCHES FOR SERVICE (CW, AM, AND TEL); FSK CONTROL; AND SIGNAL (BELL OR CALL LIGHT). SOLD WITH H-33/PT HANDSET. POWER REQUIRED: TWO "D" CELL AND ONE 45 VDC BATTERY (NOT AVAILABLE). SIZE: 3¾x9-3/8x7-1/8; SHPG. WT: 13 LBS. PRICE: UNUSED, WITH USED H-33/PT, $19.95

Headsets — Telephone Equipment — Microphones — Handsets



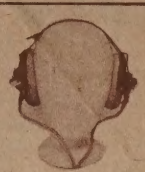
HS-33 HEADSET, 600 OHM. W/USED ANBH-1 ELEMENTS AND UNUSED GREY PLASTIC HEADBAND. 4½' CORD WITH PLUG. LESS CUSHIONS, $15.00

HS-33 W/HB-7 BROWN HEADBAND (NOT U.S. MFG.) 18" CORD AND PL-354 PLG. $14.50

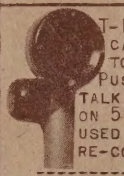
HS-23 HEADSET 2000 OHM; SAME HS-33 EXCEPT NEW ELEMENT. W/GREY HB-7, $9.25 W/BROWN HB-7, $9.00

4" CHAMOIS CUSHIONS, $2.25 PR. RUBBER CUSHIONS MC-162, 2¾", $1.00 MX-41, 2¾", $1.25

HB-7 HEADBAND ONLY GREY $3.25 BRO. $3



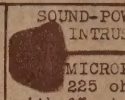
#ZA/CAN1638 DYNAMIC HEADPHONES, 50 OHMS IMPED; MOVING COIL-TYPE, QUALITY REPRODUCTION. ADJUSTABLE CANVAS STRAP FITS ON TOP THE HEAD; STEEL-BAND BEHIND. WITH CHAMOIS CUSHIONS, "Y" CORD, AND PHONE PLUG. UNUSED, $4.95



T-17 MIC, CARBON 35 TO 90 OHM PUSH-TO-TALK; PL-68 ON 5' CORD. USED $6.95 RE-COND. $9.

RS-38 MIC, 100 OHM CARBON. 15" COIL CORD W/ PL-68, USED $6. UNUSED, NOT U.S. MFG.. $8.

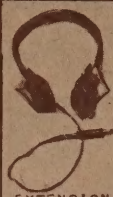
SHURE 520B MAGNETIC MIC, P-A TYPE, 150-250Ω; 100-9000 Hz. GREEN AND CHROME FINISH. NEW, $12.00



SOUND-POWERED INTRUSION MICROPHONE 225 ohms with 6" stake for pushing into ground for artillery use. T-56 USI element 1614-11 unused $3.75

Western Electric Sound-Powered 1024 ohms D-173016 trans. D-173012 receiver new $3.00 ea.

Carbon Elements F-1 Mic. $1.50 Lip Mics: M-51 M-6 M419 etc. $1.50 Telephone elements: U-1 or T-1, $2.00



H-113/U HEADSET 600 OHM SOFT PLASTIC EAR CUSHIONS 18" CORD W/ PL-54 PLUG THAT FITS JK-26 JACK (SEE CD-307 EXTENSION CORD ELSEWHERE ON THIS PAGE) WT: 3LBS. USED-EX $4.95

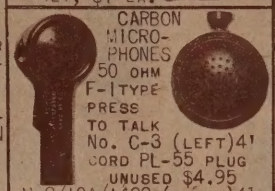
H-62 HEADSET SAME AS H-113/U ONLY IN BLACK AND HAS PROVISIONS FOR SNAPING ON LIP MICROPHONE CW-5107| LISTED BELOW. USED-EX. $4.95

CW-5107| LIP MICROPHON 100 OHMS IMPEDANCE W/ 2 SNAPS FOR FASTENING TO H-62 HEADSET, 14" CORD W/ PL-291 PLUG INTO EXTENSION CORD CD-318 LISTED ON THIS PAGE OR CW-4956| EXTENSION CORD LISTED BELOW USED $1.00

JK-38 PHONE JACK FOR INLINE USE, TAKES TWO PL-55 PHONE PLUGS $1

PUSH BUTTON SWITCHES FOR HANDSETS THAT USE BUTTERFLY TYPES. DIRECT REPLACEMENT. #5930-327-7308 $1.25

H-63/U HEADSET 600&OHM BOOM MIC 100 OHM 14" CORD WITH PLUGS. $7.95 USED MIC. OR PHONE ELEMENTS ONLY, $1 EA.



CARBON MICROPHONES 50 OHM F-1TYPE PRESS TO TALK No. C-3 (LEFT) 4' CORD PL-55 PLUG UNUSED $4.95

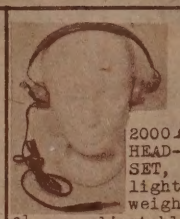
M-2/10A/1422 (RIGHT) 4½ FT. CORD PL-68 $3.95

CO-78 HEADSET "Y" CORD 7' LG. RUBBER COVER NO PLUGS, TERM. $1.50

PL-204 PLUG: SINGLE HOLDER PL-68 & PL-55 SIDE BY SIDE. $2.00

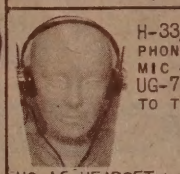
DOUBLE PLUG D178452 F/HEADSET SIMILAR 289 298. #3850 NEW $1.50

SWITCHBOARD CORD 4½' W/PL-47 #BD-96 $1.00



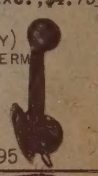
2000Ω HEADSET, lightweight 6½ oz. adjustable headband, 54" cord rubber cushions & phone plug. ELI-#978 new $3.95

HS-30 HEADSET 250 OHM IMPEDANCE hearing aid type light weight headband 7½" cord w/spade lugs that wire into CD-604 or CD-605 cord for 4000 ohm. used $4.75 new $8



H-33/PT HANDSET PHONE 300 OHM, MIC 40 OHM W/CORD UG-77 PLUG & PUSH TO TALK SWITCH. USED $5.95

HS-16 HEADSET OR EQUIVALENT (SIMILAR TO PIC.) 2000 OHMS WITH 6' "Y" CORD & METAL TIPS. USED, EXC., $4.75



TS-9 HANDSET WITH PUSH TO TALK SWITCH (NOT BUTTERFLY) WITH 3 COND. CORD 4' AND TERMINAL LUGS. NEW COND. $4.95

SOUND-POWERED HANDSET WITH COILED CORD 4FT. NEW MANUFACTURE. BROOK-TEL #1 $13.95

T-45 LIP MIC

BRASS KEY WITH 2 BEARINGS; ADJUST. CONTACTS, COVER, CORD, AND PLUG. #R11950, $4.75

M-86/U MAGNETIC MICROPHONE: 50 OHM IMPED. PUSH SW. LEVEL CONTROL 7' CORD. UNUSED $14.95

T-30 THROAT MIC.

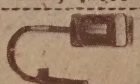
T-45 MICROPHONE CARBON TYPE 100OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONS WITH PL-291 2 CONT MALE PLUG, 11"CORD Used, $2.50

CD-318 EXTENSION CORD WITH PL-291 2 CONTACT FEMALE PLUG TO FIT T-45 & T-30 MICS. SW-141 SWITCH & PL-68 MIC PLUG ON 7 FT. CORD USED $2.00

PL-68 MIC PLUG 30" Used, $1.00

JK-33 JACK TO FIT PL-68 MIC. PLUG. Used, 3 for $1.00

CD-307 CORD EXTENSION FOR CORDS WITH PL-54 PLUG AS USED ON HEADSETS, 65"LG WITH JK-26 JACK & PL-55 PLUG. Used, $2.00



CD-604 CORD WITH IMPEDANCE MATCHING TRANSFORMER 500OHM TO 4000, USED WITH HS-30 HEADSET, 6" CORD & PL-54 PLUG. Unused $1. Used 60¢

CD-605 CORD SAME AS CD-604 ONLY 30" LG. WITH PL-55 PLG Unused, $2.00

PL-55 PHONE PLUG 30" CORD $1.00

JK-34 PHONE JACK TO FIT PL-55 PLUG Used, 3 for $1.

COILED CORD SET

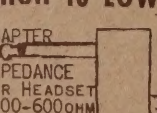
COILED CORD SETS

Three conductor, 24" to 72" 75¢ 12" to 36" 50¢

3-cond. in colors 18"-36"; green, red, lt. blue 50¢ Grey or pink, 3/$1

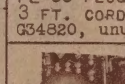
Five conductor, 12" to 36" $1.25

MC-385 HIGH to LOW



ADAPTER IMPEDANCE FOR HEADSET 4000-600OHM USED $.50

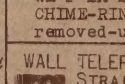
Unused, $1.50



T-30 MICROPHONE CARBON TYPE, 75 OHM 50DB BELOW 1 MILLIVOLT, FLAT RESPONS WITH PL-291 2 CONT MALE PLUG, 11"CORD PRICE: NEW $3.00

PL-55 RECEPTACLE WITH PL-55 PLUG ON END 3 FT. CORD #R16-G34820, unused $2.

WE F-1A 20 cycle CHIME-RINGER removed-used $6



WALL TELEPHONE STRAIGHT 20 CYCLE RINGER 5x10x3; 5LB WE5M USED $15.00

STANDARD TELEPHONE HANDSET AND CORD, BLACK, USED USED, $4. NEWER STYLE NEW, $5.95

STANDARD TELEPHONE DIAL USED $2.00

WESTCLOX 202 KEY WITH ADJUSTABLE CONTACTS; COVER, CORD, AND PL-55. #W-202/5854, $3.95 EA. 3/$10.

THIS IS THE KEY USED TO MAKE THE TWIN PADDLE KEY DESCRIBED IN QST ARTICLE OF FEB. 1973. THREE A-202 KEYS ARE REQUIRED, PLUS 3 BINDING POSTS AND BASE. ALSO SMALL HARDWARE & FINDINGS

TWIN PADDLE KEY MADE FROM A-202 BY R.N. MASON W8NN 551 TURNER LIMA, OH 45804

STANDARD TELEPHONE EQUIP.

WT: 20 LBS.

CALL COMMANDER SWITCHBOARD NE634C-1 AS REMOVED FROM SERVICE. 11 LINES $24.95 5 LINES $20.17 " 34.95 5 LINE KEY BAR ONLY $ 8.00

Same style as Call Commander only 5-line, one-hold; with cable & plug. Black or beige. BE#1701-6B, used, $22.50

STANDARD DESK SET: 3-line, 3-hold w/cord & terminal lugs, used $18

STANDARD DESK SET: one line only, w/cord & terminal lugs. used $15

MODERN TRIM-STYLE PHONE; desk type with dial and ringer modular jack on 6' cord, refurbished. Various colors, specify 1st & 2nd choice, color. $34.95

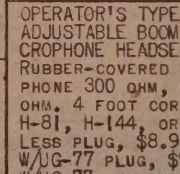
PRINCESS TELEPHONE, with dial, no ringer. Colors pink, blue & green, beige. Specify 1st & 2nd. choice, w/cord & term. lugs. Used $15.00

TELEPHONE 5 LINE HOLD KEY BOX AE 7030, CAN BE USED WITH REGULAR TELEPHONE OR ANY OTHER SWITCHING REQUIREMENT, W/ AMP. CONN 57-10500-7. 5.5x5½x2½; 3LBS. U $8

WE-302 TELEPHONES; OLD, ANGULAR STYLE. STRAIGHT OR COIL CORD (NO CHOICE); BLACK. USED, $9.95

HANDSET HOLDER FOR HORIZONTAL MOUNTING, SIZE 1½x3½ #6988 $ .50

TELEPHONE SWITCH KEY IN METAL BOX FOR MTG. LEVER TYPE SWITCH. MC-88003 FOR 2 OR 3 LINE. (SPECIFY) $2.95



OPERATOR'S TYPE PHONE & ADJUSTABLE BOOM MICROPHONE HEADSET ASSY. RUBBER-COVERED ELEMENTS; PHONE 300 OHM, MIC 40 OHM. 4 FOOT CORD. H-81, H-144, OR SIMILAR, LESS PLUG, $8.95 W/UG-77 PLUG, $9.95 W/UG-77 AND SWITCH, $10.95

CX-1422/U "Y" CORD FOR HANDSETS. 10 FT. 10 INCHES LG. WITH PL-55 ON ONE LEG; PL-68 THE OTHER. UNUSED, $4.50

BRASS KEY WITH THREE BEARINGS; ADJUST. CONTACTS, COVER, CORD & PLUG. SIZE: 2x5x1½ 3B-#9, $7.50

BLACK $5.95 MODERN TELEPHONE HANDSET w/4-COND. 15"-84" COIL CORD

NEW, PEARL GRAY, $4.95

SOUND POWERED HEAD & CHEST SET

SOUNDPOWERED HEAD & CHEST SET. MIC ON BREAST PLATE 20' CORD. RUGGED UNIT. NO BATTERIES NEEDED. USED

$15.00

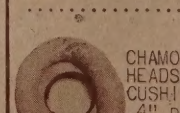
J-37 Key with brass adjustable contacts, mounted on bakelite base 3"x6"x 3/8" with cord. Used $7.95

J-45/J-116 Leg Iron only to mount J-37 Key, used $4.75* CD-201 cord w/PL-55 Plug to complete assy. $2.

H-60 HANDSET: 150 OHM REC. 25-45 OHM MIC. PUSH SW. 7 COND. 5' COIL-CORD, IMPACT PLASTIC, WEA-PROF $7.95

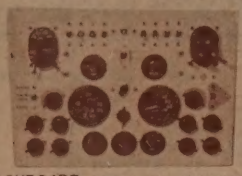
M-29 MICROPHONE; 40-100 OHM, PUSH SW. 6' CORD W/UG-77 PLUG, U $3.95

M-52 SAME AS M-29 W/PL-68 U $3.95

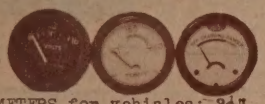


CHAMOIS HEADSET CUSHIONS 4" DIA. $2.25 PR.

TELEPHONE BELLS USE AS EXTENSION IN SHOP ETC. 2 LB. 4x4½x1 4B366|A $1.50



DASHBOARD FROM AN AMPHIBIOUS VEHICLE OR LANDING CRAFT. HAS 2¼" DIA. METERS FOR 60°-260° WATER TEMP., 60°-260° OIL TEMP., BATT./GEN., FUEL LEVEL, AND OIL PRESSURE. ALSO 3¼" DIA. 0-4000 RPM AND 0-60 MPH INDICATORS, 10/1½" DIA. IND. LIGHTS, MAGNETO BOOST-START CONTROL, AND 10 HEAVY DUTY TOGGLE SWITCHES. 19½x14x7; 28 LBS SH. #2520-604-6634, UNUSED $50.



METERS for vehicles; 2¼" round. Unused, $5.00 each.

#GPA10844; 8-16 VDC, 12 V red line; Stewart-Warner. #1513195; 40°-160°-240° F temp., 24 V., AC mfg. #BL-111947; Battery Charge, FS-10 amps, red line 6 amp Benwood-Linze Co. mfg.

CANVAS BAGS, STRAPS AND COVERS, MAY BE USED OR UNUSED. ALL ARE CLEAN WITHOUT TEARS. SHOULDER STRAPS ARE ADJUSTABLE AND MADE OF COTTON WEBBING.

CW-189 BAG w/ SHOULDER STRAP AND SNAP COVER 10"Hx9½"Wx8"D. $5.00

BG-102 BAG, SIMILAR TO ABOVE, BUT 13"Hx12"Wx9"D, $4.00

BG-1942 BAG, AS ABOVE WITH STRAP CLOSE COVER AND 8"Hx8"Wx2½"D, $2.50

BG-186 BAG, LIKE CW-189 BUT W/3 COMPARTMENTS 5x3x5 O/A 9¾"Hx14"Wx4"D, $3.50

CS-76 BAG, LIKE CW-189 BUT DUZ COVER CLOSURE. 7"Hx10"Wx8"D, $2.75

ST-19 CARRYING STRAP, 65" LG. X 2"W; w/2" SWIVEL-EYE SNAP HOOK AND TONGUELESS-BAR BUCKLE NEAR ONE END TO ADJUST LENGTH. $3.00

ST-42 CARRYING STRAP, AS ABOVE, NO SWIVEL, $2.50

ST-54 CARRYING HARNESS AS USED WITH BC-1000 TRANSCEIVER; 38¼" EXTENDED LENGTH, 14" WIDTH. ADJUSTABLE STRAPS AND SNAP HOOK, $3.

ST-120 HARNESS FOR PRC-8-9-10 RADIO SETS. SIMILAR TO ABOVE, SAME USE, $5.00

CW-216 CARRYING BAG F/PRC ANTENNA AND H-33 HANDSET; COMPARTMENTS FOR EACH. O/A 19" LONG WITH TOP 5" WIDE TAPERING TO 3" WIDE AT BOTTOM, 3½" DEEP. W/SNAP COVERS AND HANGER FOR AMMO BELT, $6.00

CW-206 ROLL BAG FOR MS-116 SERIES MAST SECTIONS. COMPARTMENTS FOR GRC-SERIES SET ACCESSORIES. SNAP AND WEB STRAP CLOSURE. O/A 40" LONG, 3"Hx5"D, $5.00

MOTOR-DRIVEN RELAY SPST NO 115 VOLT 60 HZ. 10 AMPS. NON-SYNCHRONOUS 115 V. 60 HZ. MOTOR 3.8 W. 4/5 RPM. SIZE 2½x4x2⅝ #N17-R-68292 $5

CUTLER HAMMER SCREW IN TYPE LIQUID HEATER 1000 WATTS, 118v. CONTROL 100-550 W/INDICATOR LITE C&H#94-1026-4 UNUSED $5

TIME-O-MATIC SIGN CONTROL, 115 VAC 60 HZ. THREE CONTACTS RATED 15 AMP EACH. TWO ALTERNATELY MAKE AND BREAK ONCE PER SECOND FOR 15 SEC; OTHER BREAKS FOR 20 SEC. AT THE SAME TIME. THEN ALL THREE MAKE AND THE CYCLE REPEATS. SIZE: 3x5⅝x6; SHPG. WT: 5 LBS. #53-K-155, $4.95

KEY SELECTOR CONSISTS OF MANUAL CLOCK MECHANISM FOR SENDING 17 IMPULSES, CAN BE SET TO CALL ANYONE AT 78 STATIONS, SPST LEVER SWITCH 2x2½x4½: 4C5100.60A $1.50

SYNCHRON CLOCK MECHANISM, No.610 110 v. 60 CYCLE 3 WATT 1 RPM #EC-129RB, WITH GEAR ASSY, NO RESET OR COVER. 2x2x2¼; 4oz. $1.35

SYNCHRONOUS MOTOR, 26 volt 60 cycle, 60 rpm, shaft 1x 1/16, motor 1½x2⅝ #1147 $2

HANSEN SYNCHRON CLOCK MOTOR 110 VOLT 60 CYCLE 10 R.P.H. MODIFIED WITH SLEEVE OVER SHAFT TO 24 R.P.H. #A12-RC-12-62 $1.50

CRAMER TIMER SWITCH ASSY. MODEL TC-60SEC, 230 v 60 CYC, SWITCH 5 AMP. CONT. 3.8 W. 4/5 RPM MOTOR. $1.95

VARIOMETER, FOR USE WITH RECEIVER OR TRANSMITTER FOR MAX MATCHING OF ANTENNA TO SET TRANSMITTER MAX. 50 WATTS. USED WITH MARK II REC-TRANS CAN BE USED W/OTHER SETS HAS 0-200 DIAL, 360 USED SIZE:5x9; 8LB. PC75608 $5

VARIOMETER AS USED IN COMMAND TRANSMITTER. SIZE:2x3; 4oz. #7249 $1

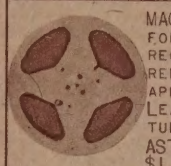
VARIOMETER, SERIES WOUND SIZE 5⅝x4; WT: 5 LBS. WILCOX-GAY PT#172428 $3

VARIOMETER REMOVED FROM ART-13 2-18 MHz 90 WATT TRANSMITTER. 5x4½x3 #VAR1/ART-13, $4.

AS-207/CRT-3 ASSY WITH 300 FOOT OF 16 STRAND BRAIDED CADMIUM ALLOY COPPER WIRE ON RL-48 REEL WITH CRANK MOUNTED TO ALUMINUM DOOR WITH ADJUSTABLE BRAKE AND SNAP SWIVEL USED AS ANTENNA FOR GIBSON GIRL TRANSMITTERS, WIRE IS ATTACHED TO BALOON OR KITE WHICH IS NOT SUPPLIED. SIZE:4½x2; 2 LBS. $6.95

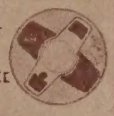
RELAY CONTROL UNIT WITH 4/24 VDC REED AND 3/24 V. P&B 4PDT RELAYS. ALSO 1500 MFD 100 VDC AND 3000 MFD 25 VDC CAPACITORS; 6' 11-CONDUCTOR CABLE; AND SOLA TRANSFORMER WITH 24 V. AND 75 VDC OUTPUTS. NICE CASE: 6x5x10 (TOP), 3x5x10 (BASE); 15 LB. #RCU1, $9.95

RECORDING TAPE



MAGNETIC TAPE FOR MOST AUDIO RECORDERS, 10½" REEL; ¼" WIDTH APPROX. 3600 FT LEADING MANUFACTUERS. WT; 2 LB AST3045 $1.50 4 FOR $5

MYLER COMPUTER TAPE; 1/2" 1½ MIL APPROX. 2400 FT. REEL IS IN LOCK TOP BOX. 3LBS USED URC-AMPEX 838 OR EQUAL. $2.95 2/$5



HEATING ELEMENTS

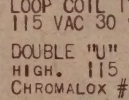
ROUND HEATING ELEMENT, 6" OUTER DIA., 3⅝" INNER DIA. ¼" THICK. 118 VAC 500 WATT. NUT TERMINALS. #HSW-6, $3.

CHROMOLOX, CARTRIDGE-TYPE C-414; 115 VAC 180 WATT. 2⅝x8"; 9" LEADS, $1.50

STRIP HEATER, 46 V. 60 W. 1½x5½, #PT5X73, $1.50

LOOP COIL TYPE, 9" LONG; 115 VAC 30 W. #83975, $2.00

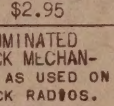
DOUBLE "U" LOOP COIL, 3" HIGH. 115 VAC 1000 WATT. CHROMALOX #2111-2, $2.50



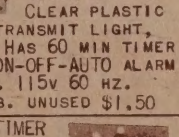
LONG DURATION TIMER WITH 115v RESET RELAY. 115v 60 HZ 1/16 RPH MOTOR. CAM ACTUATES SPDT MICRO SWITCH. 3¾x2½U. UNUSED $2.95

ILLUMINATED CLOCK MECHANISM AS USED ON CLOCK RADIOS. CLEAR PLASTIC FRONT TO TRANSMIT LIGHT, NO HANDS. HAS 60 MIN TIMER ALSO HAS ON-OFF-AUTO ALARM 2"SQ FACE. 115v 60 HZ. SH WT 2 LB. UNUSED $1.50

ELECTRIC TIMER ONE HOUR, OPENS AT END OF PERIOD 115 V. 60 CYCLE CONTACT 230 v 25 A. ROBERTSHAW 700-214 $1.95



STOVE TIMER CLOCK MECHANISM START-STOP OFF-REGULAR 115 V.A.C 60 cycle



Switch rating 230VAC 30AMP Knobs are not the typ used on stove but can be modified Black Face Q155791 $2.95 Silver " Q155795 3.25

TIMER SPRING WOUND TYPE closed when unit is wound, opens at the end of time. 30 minute 115 volt 20 amp. Lux#2500 $3.95 60 minute 120/240 vac 15 amp. Rhodes 65b $4.50

MN-40 INDICATOR 0-360 DEGREE SCALE SIMILAR TO ABOVE EXCEPT THAT IT IS OPERATED MECHANICLLY BY USE OF A SPLINED FLEXIBLE SHAFT OR SPIN KNOB OR BOTH. MN-40 INDICATOR 5" $2.50 MC-124 SHAFT 20" $1.50 MC-137 SPIN KNOB $1.00

AUTOSYNS THAT CAN BE USED TO MAKE WIND DIRECTION AND SPEED SYSTEMS.
Sperry #5663642 $2.95
AY-201 or equivelent used $4.00
AY-1 Autosyn new $5.95

See page 17 for more info.

SPERTI VACUUM SWITCH SIMILAR ONE IN ART-13 XMITTER KEYING RELAY. GLASS, SPDT. #3340-5345, $3.00

PUSH SWITCH ASSY, 9 SWITCH SP PUSH OFF, 8/DPST CANCELING TYPE WITH ONLY ONE IN USE AT A TIME; W/BUTTONS, 5½x2x2¼. #2Z9903A, $3.95

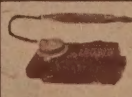
INTERLOCK SWITCH, HEAVY-DUTY ⅜" COPPER STRIP CONTACTS OPEN WHEN DOOR IS OPENED. PLUNGER 1-1/8"; 2¾x1½x2½. ONE-LITE #231 $2

BC-610 XMITTER INTERLOCK SWITCH, 2⅜x¾x1. GE#7760014-2, $2.00

THERMAL SWITCH; NORMALLY SET SO THAT THE POWER TO THE CONTROLLED CIRCUIT IS CUT OFF APPROX. 30 SECONDS AFTER COOLING AIR FLOW IS CUT OFF. OPERATES FROM 130 VAC, APPROX 2000 OHM RESIS. CERAMIC UNIT 1-3/8"DIAX1½ MOUNTED ON PLATE 3½x1½, 20" WIRE LEADS. #M-4199 $1 6/$5

ID-68/APA-44 AIR SPEED INDICATOR; CONTAINS A KOLLSMAN TRUE AIR SPEED METER AND A INDICATING WITH A RANGE OF 84 TO 434 KNOTS. HAS OSTER MOTOR AV-240, RELAY, 1/6AK5 TUBE, COMPENSATING DEVICE PLUS MANY OTHER COMPONENTS. 15x7½x5; 20 LBS. USED $15.

RT-58/ARC-12 CHANNEL SELECTOR AND MOTOR ASSY. 10 POSITION AUTOTUNE MOTOR DRIVEN 26.5 VDC WITH 2 SHAFTS 60 RPM ALSO RELAYS. 4½x6x3½. 5 LB. #5960-1 $2.95



THERMOSTAT Penn Controls type 810, 22amp 1ph, non inductive, 120/240 vac. adjustable switch. 21" sensor lead. $5.00

---

30 RPM MOTOR

30 RPM GEARHEAD MOTOR, 24 VDC; Size: 2½x1-3/8. Shaft: 3/8" x 1/8" dia. Hayden #K43121-P8. NEW, $6.95

I-112 RADIO COMPASS INDICATOR 5" 0-360 scale w/AY-1 Autosyn. Same as I-82 except has manual pointer dial set. Removed from test set. $20.

MN-42C RADIO COMPASS INDICATOR 5" with dual azimuth dials two AY-1 auto syn. Used in aircraft that had two separate antenna loop systems. Used, $23.

I-91(*) RADIO COMPASS INDICATOR 3" 360 deg. sc. used w/ARN-6 sys. 3½"x3". (can be us used with wind direction system) used $9.95 NEW $14.95

I-101 CROSS POINT INDICATOR For combined use from localizer Rec. & Glide Path Rec. used w/ARN-5, RC-103 et 3½x3½x3 ; used broken glass, good movements $2.95/Re-cond $5

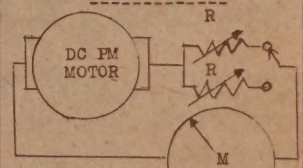
ID-304/APA-70C Cross Point Indicator. Same as I-101 but has on/off power switch. Unused $8.95

WIND SPEED

(84 V 60 Hz)

WIND DIRECTION INDICATOR using the Sperry #R5663642 selsyns on page 17. Design your own wind vane and indicator so that you can check wind direction from inside your house. Selsyns #R5663642, unused, $2.95 ea

---



WIND SPEED INDICATOR using a 24 VDC PM motor (p.17) as a generator, and a 200 microammeter, and a resistor range scaler so that wind speed may be monitored indoors. We'll supply the PM motor and a 3½" rd. 0-200 scale (FS=200 ua) meter; you design the rest. #WS-MOTOR & METER, $7.95

AY-1 AUTOSYN MOTOR AS USED IN I-81, I-82 ETC. DIRECT REPLACEMENT. $5.95

I-81 & I-82 ARMATURES ONLY #3H2716/A1, UNUSED, $3.95
I-82 GLASS ONLY, $2.00

MINIMUM ORDER $5.00

MODULAR POWER SUPPLIES

LAMBDA MODULAR POWER SUPPLIES, RUGGED SOLID-STATE. REGULATED 0.03%. REMOVED FROM EQUIPMENT BUT IN EXCELLENT CONDITION. RATINGS ARE BASED ON A 60 HZ VAC INPUT; OUTPUT V-5% AND AMPS @ 40° CENTIGRADE.

MODEL	INPUT	OUTPUT		PRICE
LMB-20	105-132	20V	1.8A	$35.00
LMCC-5	105-132	5V	10.5A	50.00
LMCC-5V	205-250	5V	10.5A	50.00
LMCC-20	105-132	20V	5.0A	50.00
LMCC-20V	205-265	20V	5.0A	40.00
LMD-20	105-132	20V	7.4A	60.00
LMD-20V	205-265	20V	7.4A	60.00
LME-5	105-132	5V	20A	70.00

PACKAGE SIZE: (B) TYPE; 3½x5x6½; (CC): 5x5 x9½; (D): 5x7½x9½; (E): 5x7½x11¼.

LRA RACKS FOR LAMBDA MODULAR UNITS AVAILABLE

SPERRY SOLID STATE P.S., 115/230v. 60HZ. OUTPUT 6VDC @ 3.5A., OR 12.03A @ 230V INPUT SIZE 8x10x11; 25 LBS. #4124957 $24.95

OUTPUT 6VDC @ 5A.,-12VDC@2.5A. & 48VDC @ 5.5A SIZE:20½x9x8; 40 LBS. #411328 $39.95

LAMBDA RACKMOUNT POWER SUPPLIES, ratings 40°C

#LMF-A-5	5 VDC	31.5 amps	$95.00
LMF-A-20	20 "	18 "	$110.00
LMF-5-0V-V	205-265 V in,	5 VDC	48 A. $100.
LMF-20-V	" " V in,	10 "	23 A. $110.

NORTH ELECTRIC MODULAR POWER SUPPLIES, 105-132 VAC 50-60 Hz input; ratings @ 40° C.

#N64005AV	5 VDC	28 amps	$85.00
N65005AV	5 "	35 "	$100.00
N11006A	6 "	3.5 amps	$24.00
N15010A	10 "	16.5 amps	90.00

NORTH ELECTRIC RACKMOUNT POWER SUPPLIES, 105-132 VAC 50-60 Hz input; ratings @ 40 C.

#N17005A	5 VDC	49 amps	$110.00
N18005A	5 "	82 "	150.00
N18005A-M,	as above with meters		165.00
N19005A	5 VDC	120 amps	185.00
N18012A	12 "	58 "	140.00
N18024A	24 "	33 "	135.00

CON-AVIONICS/NJE HS SERIES, 19-21 VDC 15.5 amps from 220 VAC 50-60 Hz input. NEW, $75.

DRESSER-BARNES WITH REMOTE SENSING,

26859	210-250v.	20V 3A	NEW $30
26858	210-250v.	20V 9A	NEW $60
27091	208, 220, 240v. THREE PHASE,		
	UNREGULATED, 10V 6A AND 50V 3A		NEW $25

ELECTROSTATICS MODEL 50; INPUT: 103-127 V. 50-400 Hz. OUTPUT: 18-22 VDC @ 2 AMPS. LESS COVER. 6½x5x4 WT: 10 LBS. NEW $25

NORTH ELEC. P.S. 105-132v. 40-440HZ. OUTPUT 3.7VDC @ 14A. (MODULAR)9½x5x7½; WT: 17 LBS. #N14003KA NEW $35.00

NORTH ELECT. P.S. 115/230v60HZ, OUTPUT 6VDC@ .5A.-6VDC.5A -12VDC@1.6A: -28VDC@ 4A. SIZE:21x5½x5½: WT:28 LBS.#PEC2754 $29.95

NORTH ELECT. 115/230v. 60HZ. OUTPUT 5VDC 42 A. 15VDC 5 A. -15VDC 5 A. -18VDC 12 AMP. 24 VDC 10A.250VDC 200 MA. SIZE:24x7x16; WT: 150 LBS. #PEC3496 $100.

WANLESS 1-OEM IC POWER SUPPLY; OUTPUT: 24 v. @ 2.5 AMPS. REGULATED; AUTOMATIC FOLDBACK CURRENT LIMITING. FLOATING + AND - OUTPUTS. AC INPUT; SOLID-STATE. SIZE: 5½x5x6; WT: 10 LBS. NEW, $27.95

VOLTAGE REGULATED POWER SUPPLIES

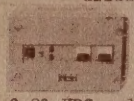
Regulated power supplies, used-reparable. Shipped freight or bus collect unless "UPS" noted.

* * * * * * * * * * * * * * * * * *

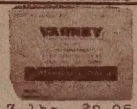
LAMBDA MODEL 29M, metered output 100-200 VDC 100 ma and 6.3 VAC 3A. Rackmount; UPS. Used, $35.00

HEWLETT-PACKARD 712A, 0-500 VDC 200 ma, 6.3 VAC 10 A. Rack, $65.

CON-AVIONICS HS SERIES DUAL POWER SUPPLY, transistorized, 17-19 VDC 16 amps; 110 VDC 250 ma. $100.



NORTH ELECTRIC 48-52 VDC 6 amp output from 115/230 VAC 60 Hz in. Solid-state with 2½" GE DW-91 meters for 0-80 VDC and 0-10 amps, AC circuit breaker, and Equalize-Flow switch. 12x19x8½, rackmt. #PEC2627B, $55. OTHERS AVAILABLE. WRITE YOUR NEEDS



VARNEY AUTO-RACE PACK 2/14 VDC 600 MA outputs makes nice small bench supply by adding regulator, etc. 5½' AC cord; 5x3¼x2½, 3 lbs. $2.95

PP-523/GRC POWER SUPPLY, six step output from 34 VDC 3 amp to 50 VDC 4½ amps. 115 VAC 60 Hz input. With 2½" rd. meters 0-100 VDC and 0-5 amps DC. 9x11x16, 50 lbs. Used $52

PP-34/MSM RECTIFIER POWER SUPPLY for charging storage batteries. DC output: 2-30 V. 1.5-50 A. 1500 W max. full load from 115 VAC 60 Hz input. With 2½" rd. 0-50 DC ammeter, fan with 10" blades, coarse-fine output selector, and circuit breaker. 13½x28½x18, 235 lbs sh. Used, $50.

DYNAMOTORS

TYPE	USED	RENEW	TYPE	USED	RENEW
DM-25	2.95	4.95	D-401		6.95
DM-28	6.95		D-402		6.95
DM-32	2.95	4.95	D-401(SPEC)		8.95
DM-32(12 v)		4.95	DY-9		9.95
DM-33	(WRITE AV)		DY-10		12.95
DM-34	2.95	4.95	DY-17		12.95
DM-35		20.00	DY-21		8.95
DM-36	2.95	6.95	DY-22		9.95
DM-37		13.00			
DM-40	5.95		DA-6A		8.95
DM-41	5.95		DA-1F	11.00	
DM-42		15.00	DA-14		8.95
DM-43		15.00			
DM-53	4.95		BD-77		19.95
DM-53	5.95	(12V)	BD-83		8.95
DM-64	7.95				
			PE-86		5.95
ADVISE US OF YOUR			PE-98	8.95	(COMP)
REQUIREMENTS OR			PE-98	4.95	(DYN)
WRITE FOR SPECS.			PE-94	9.95	

CARTER MA-2503; INPUT 6 VDC 6.3 A. OUTPUT 250 VDC 30 MA. SIZE 3½x5x3; WT. 6 LBS. USED $4.95

41S14 F/COLLINS 618; INPUT 27.5VDC 22 AMPS.OUTPUT 650 VDC 550 MA. & 250 VDC @ 150 MA. SIZE 9x14 N $15

DYNAMOTOR DM-35 INPUT 12 VDC @ 18.7 AMP. OUTPUT 625 VDC @ 225 MA SIZE:4½x4½x8½; 13 LBS. UNUSED $20

INVERTERS

EICOR INVERTER X3516-1 INPUT: 27.5 VDC 165 AMPS. OUTPUT: 115 VOLT 400 CYCLE 2500 V.A 1 PHASE SIZE:16x11½x8; WT: 75 LBS. EXCELLENT COND. $49.50

PU-7 INVERTER

INPUT: 28 VDC 160 AMPS. OUTPUT: 115 VAC. 400 CYCLE 21.6 AMP. 1 PHASE SIZE 19½x8x10½; 100 LBS. PRICE: UNUSED $49.50

5AS13NJ3 INVERTER

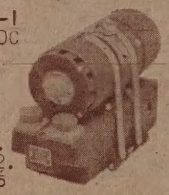
INPUT: 26 VDC 100 AMPS. OUTPUT: 115 VAC 400 CYCLE 1500 VA 1 PHASE SIZE: 14x9½x6; WT: 50 LBS. PRICE: UNUSED $45.00

MG-149F INVERTER

INPUT: 24 VDC 36 A. 750 VA. OUTPUT: 115 V. 400 CYCLE 1 PHASE 500 VA & 26 V. 400 CYCLE 1 PHASE 250 VA. SIZE: 12x8½x8; WT: 25 LBS. PRICE: GOV. RECOND. $49.50

INVERTER INPUT 27.5VDC 60A OUTPUT 115 V 400 CY 750 W 3 PHASE 26 V 400 CY 50 W 1 PHASE SIZE 11x10x6; WT: 40 LBS. LELAND#10285 USED $34.95

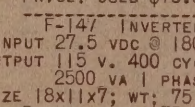
EICOR 3012-08 100 VA INVERTER Input: 24/30 VDC 11 amps. Output: 115 VAC 400 Hz 1-Ph, 100 VA. Size: 9½x6x4½, 14 lbs sh wt. Used, $16.95



PU-43/A-800-1 INPUT: 24 VDC @ 75 AMPS. OUTPUT: 115 V.800 CYC. 1 PHASE 10.5 AMPS. WT: 35 LB. SIZE:4½x8x12. Used, $24.95

JACK & HEINTZ F-132 INVERTER INPUT 27.5 VDC @ 100 AMPS. OUTPUT 115 V. 400 CYCLE 1500 VA 3 PHASE SIZE: 16 x 11 x 7;WT: 55 LBS PRICE: USED $75.00

F-147 INVERTER INPUT 27.5 VDC @ 180 AMPS. OUTPUT 115 V. 400 CYCLE 2500 VA 1 PHASE SIZE 18x11x7; WT: 75 LBS. PRICE: USED $75.00



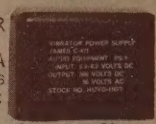
JACK & HEINTZ INVERTER #AN-3532-2 INPUT 27.5 VDC @ 20 AMPS. OUTPUT 115 VOLT 400 CYCLE, 3 PHASE, 250VA VOLTAGE REGULATED. SIZE:12x7½x4½; WT: 20 LBS. FED#6125-617-0967 Used, $18.95

1000 VDC 350 MA

BD-77 DYNAMOTOR; INPUT: 14 VDC 39 AMPS. OUTPUT: 1000 VDC 350 MA. SIZE: 11x10x6½ SHPG. WT: 40 LBS. $19.95

PE-73 DYNAMOTOR; SAME AS BD-77, BUT WITH 28 VDC 19 AMP INPUT, RECOND. $30.00

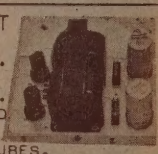
DM-42 DM-42 DYNAMOTOR; INPUT: 12 VDC 39 AMPS. OUTPUT: 1030 AND 515 VDC @ 215 MA. 7x7x11; 42 LB. RECOND. $15.



VIBRATOR POWER SUPPLY, USED WITH AN/PIP-1A PUBLIC ADDRESS SYSTEM. INPUT: 5.2 TO 6.2 DC VOLTS; OUTPUT: 300 VDC 60MA, 50 VAC. SIZE: 4½x3½x2½ 3 LBS #H17VD-11077 NEW $5.95

PE-104 POWER CONVERTER. 6 OR 12 VDC INPUT, OUTPU 90 VDC, 1½ VDC AND -45 VDC. SIZE;4x4x7; WT: 10 LBS. NEW $3.95 W/EXTRA VIB.$4.95

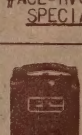
PP-855/PRC-14 VIBRATOR POWER SUPPLY WITH FILTER NETWORK. 6 VOLTS DC INPUT, 5.35 AMP OUTPUT 135 VDC @ 155 MA. SIZE:7½x2½x2½; WT: 3 LBS. NEW $4.95



DUAL SIX VOLT D.C VIBRATOR POWER SUPPLY. OUTPUT 540 VDC @ 150 MA. CAN BE TAPPED AT 270 VDC. WITH 2/0Z4 TUBES. SIZE:9x6x5; WT: 10 LBS. STK#3H6694-5 NEW $7.95

HIGH VOLTAGE

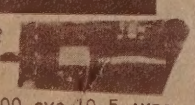
ACE HIGH VOLTAGE POWER SUPPLY; OUTPUT: 3000 VDC 50 UA APPROX. INPUT: 115 V. 60 Hz. USES TWO 1B3 RECTIFIER TUBES. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHPG. WT: 8 LBS. UNUSED. #ACE-HV3000, $5.95 SPECIAL!! 2 FOR $10.00



PE-157 POWER SUPPLY, originally used with BC-728 manpack radio. Output: 1.5 VDC 490 ma and 135 V. 50 ma. Requires 2 volt BB-54 wet cell battery. Has leather carrying handle and space for 4" speaker. 6½x12x6; 20 lbs. sh. Used, less battery, $14.95 BB-54 BATTERY, 4 lbs., $3.

PP-18 CONVERTER 12 VDC 4 AMP TO 24 VDC 1.5 AMP. PARRALLEL FOR MORE CURRENT. WITH VIBRATOR ALSO PLUG SIZE:6½x5½x8½; WT: 10 LBS. NEW $4.95

GENERATOR



GENERATOR G - 24 AC - DC

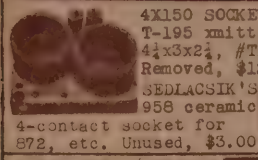
115 V. 800 CYC 10.5 AMPS. 24 V. D.C. 60 " SPLINE SHAFT SIZE 7/8x1¼ SIZE:6½x7½x13; WT: 45 LBS. RE-COND. $24.95

BELL SYSTEM POWER SUPPLY 105- 130 VOLT 60 HZ. OUTPUT 18VDC .6 AMP 20VDC 1.0 " 9VAC 2,8 AMP & 18VAC 1.4 AMP. FUSED & AC CORD. SIZE: 8½x4½x8½; WT: 22LB #J8673IA USED $6.75

MOBILE SUPPLY

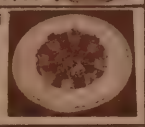
AVA-126 VIBRATOR POWER SUPPLY, operates from 6, 12, or 24 VDC depending on vibrator used. Output: 300 V. 100 MADC. Includes 6 VDC vibrator. 7½x7½x7½; 12 lbs. Unused, $5.

TUBE SOCKETS



4X150 SOCKET PAIR f/ T-195 xmitter modltr 4¼x3x2¼, #T195/4X150 Removed, $12.

SEDLACSIK'S 958 ceramic 4-contact socket for 872, etc. Unused, $3.00



EIMAC SK610/JOHNSON 124-110 socket for 4X150, used, $7.50 With chimney SK606/ 124-111, $9.00 Chimney only, $3.00

OCTAL MOULDED 2 HOLE MTG.	$ .25
" " RING "	.30
" CERAMIC (SPECIFY)	.50
LOCTAL MOULDED 2 HOLE	.35
CERAMIC TYPES 4,5,6 & 7 CONTACTS STANDARD SIZES	.50
MOULDED TYPES 4,5,6 & 7 CONTACTS, STANDARD SIZES	.35
MINIATURE MOULDED 7 & 9	.30
" CERAMIC 7 & 9	.40
SHIELDS FOR MINIATURE TUBE	.25

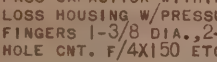
GIANT 4 CONTACT CERAMIC FOR 211/VT-4C, 872 ETC.
GE#M 7461594-G1 USED .49

GIANT 4 CONTACT CERAMIC FOR 715,718 ETC. JOHNSON 234 TYPE STK.#2Z7684.98 UNUSED $1.25

CERAMIC FOR 829 ETC.	1.25
" " 832 ETC.	1.25
" " 872 W/SHOULD	1.00
" 811 /866 "	1.00
JOHNSON 214 F/750TL,1500T	2.00
" 244 F/8008 ETC.	2.00

JOHNSON 0105-047 SOCKET F/8298 5894 $2.50

JOHNSON 124-0113-021; SILVERED 2000 MMF MICA SCREEN GRID BY-PASS CAPACITOR WITHIN A LOW-LOSS HOUSING W/PRESSURE CONTACT FINGERS 1-3/8 DIA.,2-3/8" MTG. HOLE CNT. F/4X150 ETC. TUBES $3



TERMINAL STRIPS WITH CLIPPED WIRE

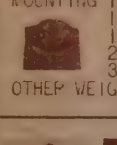
BARRIER TERM. STRIPS AVAILABLE, 3/4,1 & 1½" WIDTHS, 2 TO 16 TERMINALS. TWO TERMINAL 20¢,EA. EACH ADDITIONAL TERMINAL 3¢. WE WILL SHIP CLOSEST TO YOUR ORDER.

HEAVY DUTY TERMINAL STRIPS. APPROX.2"Wx1½D.
6 TERM. 4½LG$1.50 12 TERM. WITH
8 " 6 " 2.00 SCREW DOWN
12 " 8½ " 3.00 HOLDER TYPE$4

TM-175 BINDING POST ¾x5/8" DIA. HEAD; ¼" LG #8 THREAD. BRASS. 4/$1.00

RUBBER	4 LBS.	No. 4	$.35
SHOCK	6 "	" 6	.40
MOUNTING	10 "	" 10	.45
	12 "	" 12	.55
	16 "	" 16	.65
	24 "	" 24	.80
	35 "	" 35	.85

OTHER WEIGHTS AVAILABLE, WRITE



ENERGY STORAGE

ENERGY STORAGE CAP. 7.5 MFD., 20K VDC .06 UH IND. OSCILLATORY DUTY, 75K PEAK AMPS. CASTOR OIL FILLED. SIZE:15½x13⅜x5; 65 LBS GE#14F666G5 $50

HIGH VOLTAGE

VARIOUS CAPACITIES & HIGH VOLTAGES AVAILABLE. WRITE & TELL US OF YOUR NEEDS.

Capacitors

MFD	VDC	SIZE	PRICE
24000	3	4x3	$ 1.00
2000	15	1⅜x4½	.75
1100	25	1⅜x4	.75
500	200	2x4	1.25
4	400	2⅛x4x1	.75
2	600	2⅜x2⅛x1	.50
3	600	1⅝x3⅜x1	.55
4	600	3⅜x2⅜x1½	.65
6	600	4⅜x2⅜x1½	.75
7	600	4x4x2	.80
8	600	5x3⅜x1½	1.00
1	1000	2⅛x1⅝x1	.50
1.5	1000	4x1⅛x1	.75
2	1000	4x1⅛x1	.85
4	1000	4⅛x2⅜x1½	1.00
8	1000	4⅛x2⅜x1½	1.50
15	1000 (DENTED)	5⅝x3⅜x2½	1.10
15	1000	5⅝x3⅜x2½	1.50
2x8½	1000	5⅝x4¼x2	3.00
2	1500	4x2⅜x1½	1.00
8	1500	6x3⅜x2⅝	3.75
12	1500	4½x4⅜x4	5.95
4	1500	3⅝x3⅜x1½	1.50
1	2000	2x3x1	1.00
4	2000	5x3¼x2½	7.50
1	2500	4⅛x3⅜x1½	1.25
1	3000	4⅛x3⅜x2⅛	1.50
1	5000	8⅜x4⅛x3⅜	4.00

OTHER VALUES-WRITE-SPECIFY

COMPUTER GRADE

MFD	VDC	SIZE	PRICE
23000	7	5⅛x1⅝	.60
	BANK OF FIVE		2.50
150000	10	5⅝x3	3.50
61000	10	4x2⅜	1.50
13000	15	4⅛x1⅛	1.50
73000	15	4⅛x3	3.00
40000	20	4⅛x2⅛	2.75
52000	20	6x3	3.75
20000	25	4⅛x3	2.00
16500	30	4x3	2.00
24000	30	4x2⅜	2.25
25000	30	4⅛x3	2.50
54000	30	6x3	4.50
18000	35	4x3	2.50
25000	35	4x2⅜	3.00
37500	35	6x3	4.00
9400	40	4⅛x1⅝	2.25
16000	40	4x3	2.75
30000	40	4⅛x3	3.00
40000	40	5⅛x3	3.50
48000	40	5 x3	4.00
51000	40	4⅛x3	4.50
12500	50	4x3	2.25
23200	50	4x3	3.75
34000	50	5⅛x3	4.50
13500	60	4x2	4.00
25000	65	5⅛x3	5.00
950	75	4x3	2.00
3500	100	5⅛x3	4.00
1250	180	4⅛x2	3.00
1700	200	5⅛x3	4.00
500	250	4x1⅝	3.00

WRITE FOR QUANTITY PRICES

PHOTO FLASH TYPE
600 MFD 360 VDC 3⅛x1 $2.25

AC CAPACITORS

MFD	VAC	SIZE	PRICE
1.3	950	5⅛x4x1⅛	3/$1.00
8	660	6x2⅛x1	2.00
10	660	5x3x2	2.50
3	660	3⅛x4x1⅛	.75
2	440	2x2x1⅛	1.00
10	370	6x1⅝ RD.	1.25
4	370	2⅛x2⅛x1⅛	.75
7	330	3⅛x3⅛x1⅛	1.25
4	330	6x2⅛ RD.	1.00
3.9	330	4x2x1	1.00
5	220	4x3⅛x1	1.00
47-58	220	4⅛x2 RD.	2.00
4	220	4⅛x1⅛x1	1.00

ROTARY SWITCHES

2-POLE 6-POSITION, ¼" d. shaft, 1⅛x1¼ dia overall. #296-6382, unused, $1.00

ROTARY SWITCH, 2-DECK. ONE 4PDT MOMENTARY BOTH SIDES; OTHER 2PDT MOM. B.S. AND 1PST MOM. 1-3/8" DIA.; CERAMIC. #3Z9825-20, $1.00

MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware. #LED-M13-S, unused, 75¢

THUMB-WHEEL WAFER SWITCH, 18 POSITION, NUMBERED, 2 HOLE MTG. HORIZONTAL OR VERTICAL, 2¼x3/8" # 960 NEW $1.25 SAME AS ABOVE 10 POSITION 2¼x3/8" #980 NEW $.75

25 POSITION, 3 DECK, SILVER PLATED CONTACTS, 2¼x2¼,1/4" SHFT. M-548-6083 NEW $5.00

ROTARY SWITCH 10 POLE, 4 POS. 5 DECK. 3¼x1⅝. RM-39/31.9 RE-MOVEED $1.00

ANTENNA COUPLING SWITCH, 6-position, 1-pole. 2-3/8" dia. Ceramic, bar knob. Removed, $3.95

ONE DECK/ONE POLE 12-POSITION ceramic rotary switch with stop. 1⅝" dia. #3Z9825-62.178, $1.25 ea.

GE CERAMIC POWER SWITCH, two deck; 4 break/3 make. 4"x2" dia. #G1/407, $1.95

DAVEN SWITCH

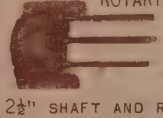
18-POSITION, CONTINUOUS TURN, 2" dia. Zinc-silver contacts. ⅝x⅜" dia shft. #3Z9825-92.2 Unused, $3.00

TWO ON/OFF SWITCHES ON ROTARY WAFER, 2 DECK, POLE 2,5 POS. #333-9774 $1.00

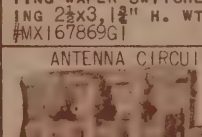
ROTARY SWITCH, two deck, 2-pole 5-position each. 2" dia. #REM/PP-115, used $1.

CERAMIC ROTARY SWITCH, two deck, 2-pole 6-position silver-plate contacts. 2"H x1-7/8" Dia. Shaft 7/8x¼" dia. #257-3252 new, $2.50

ROTARY SWITCH SINGLE 17 CONTACT DECK, ONE TIE DECK DIA.2¼x1 LANS. SW-942-249 REMOVED, $1.25 EA.



ROTARY ACTUATOR WILL OPERATE FROM 12-28 VDC, 12 POSITION, 30 DEGREES EA. 2½" SHAFT AND RODS FOR MOUNTING WAFER SWITCHES. MOUNTING 2½x3,1⅝" H. WT: 1 LB. #MX167869G1 $1.50



ANTENNA CIRCUIT SWITCH 100 WATT 3/MAKE 3/BREAK SIZE: 4¾x2⅜ IN. #3Z9626 $2.50

ROTARY SWITCH, BAKELITE WAFER; 2 DECK, 5 POSITION, 1 POLE MOMENTARY 5 POS. 2X2 X2 SW-145 39¢ EA 3/$1.00

CERAMIC ROTARY SWITCH, TWO DECK; 1-POLE 4-POS./DECK. 1⅜" DIA. ACE#2-1P4P, $1.50

Parts Kits

DISC CERAMIC CONDENSERS 33 ASST. 15MMF-.01MFD. Good Value $1.25 a KIT

WIRE ASST. Six 25 FT. COILS; INSULATED. TINNED-COPPER, $1.50

MICA CONDENSERS 25 ASST. 10 MMFD To 6800 MMFD. $1.00 a KIT

TRIMMER CONDENSERS 25 ASST. 3 to 280MMF WIDE RANGE $1.00 KIT.

PRECISION RESISTORS 25 asst. on boards. Carbon or wire wound 1%. $1.50/kit

RESISTORS WIREWOUND 25 ASST.

5 to 20 Watt.Wide range of values some tapped.25 ASST $1.00

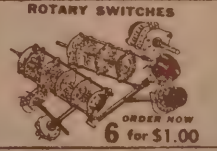
VOLUME CONTROLS 10 ASST. Popular Values $1.00

TUBE SOCKETS 20 ASST. Octals Loctals Minatures Wafers etc $1.00

PILOT LIGHT SOCKETS 25 ASST Bayonet Screw etc. $1.00

TERMINAL STRIPS,Tie lug strips,ASST types. 25 for $1.00

TERMINAL LUGS,ring spade,crimp types.Wide variety of sizes for all uses in clear plastic box, APPROX. 200 PCS. $1.50



ROTARY SWITCHES ORDER NOW 6 for $1.00

BATHTUB CONDENSER KIT 1 MFD. to 1 MFD. up to 330 Volt 10 FOR $1.00

HARDWARE KIT NUTS,WASHERS SCREWS,RIVET GROMMETS ETC. 1½LBS. $1.50

COMPUTER GRADE

COMPUTER GRADE CAPACITORS OUT OF EQUIPMENT GUARANTEED

MFD	VDC	SIZE	PRICE
900	165	2x4 RD.	$1.00
100	250	1⅛x2⅛	1.25
1400	99	2x4	1.00
3500	52.5	2x4	1.25
12000	11	2x4	1.25

ABOVE, IN LOTS OF 6, 20% OFF.

	MFD	WVDC	CM
MICA CAPACITORS used in RF power circuits.	.01	600	55
	.0062	1200	55
	.022	1200	60
JAN CM-size less than 1⅝x1-3/8.	.00047	2500	55
	.005	2500	55
$1.25; 5/$5.	.006	2500	55
	.01	1200	45

ELECTROLYTIC (E); PAPER (P)

450 uf 25 VDC (E), 65¢ 4/$2
1000 uf 25 V (E), 85¢ 4/$3
40/40 uf 150 V (P), 2/$1.
80/40/20 uf 150 V (P), 2/$1
150 uf 200 V (P), 2/$1.00
100/40 uf 350/300 V (E) $1.

1 KVDC DISCS: 7/$1. 100/$5.
UF: .0001 .0002 .001 .002
3 KVDC DISCS: 4/$1. 100/$12
UF: .00009 .00025

TANTALUMS, 35 VDC PCB-type: 4.7 or 6.8 uf, 3/$1. 1C/$25
40 uf 25 V 2x3/8 tanta 2/$1
47 uf 20 V ¾x¼ tanta., 2/$1

POLYSTRENES, 4/$1. 1C/$15:
.01 uf 200 V; .009 uf 500 V

0.022 uf 100 V mylar, 4/$1.
0.33 uf 500 V mylar, 5/$2.
1.5 pf ceram. feed ¼", 6/$1

RESISTORS

3/5 W, 20¢ EA; 10/25 W, 30¢

EMITTER RESISTORS

0.5	OHMS	10 WATT, WW
3.0	"	10 " , "
2.0	"	10 " , "
2.43	"	3 " , "
24	"	5 " , "
70	"	5 " , "
100	"	5 " , "

BLEEDER RESISTORS

700	OHMS	10	WATT, 5%
3900	"	25	" , FERRULE
1000	"	25	" , WW
15K	"	10	" , "
15K	"	3	" , "
100K	"	3	" , CERAMIC

1.6 OHM 220 W, 5%, $1.50
0.05 " 105 W, 5%, 4x1, $1.

PRECISION RESISTORS
5K OHMS ½ WATT, 0.1%, 60¢
7.5K OHMS, 0.333 WATT, 0.25%, WIREWOUND, 40¢ EA.
28K OHMS ½ WATT, 0.05%, WIREWOUND, 40¢ EA.
55 MEGOHMS, 10 WATT, 1%, DALE WIREWOUND, $1.00 EA.

DALE PRECISION POWER RES.
100 WATT (3½x3x1½) IN VALUES: 45Ω(3%), 120Ω(1%), 450Ω(1%), 1400Ω(1%), $2.50
250 WATT (4½x3x2½) IN VALUES, 600Ω(1%), $3.00

250 WATT 1 OHM (5%), $4.00

260 ohms 5 watt 1%, 2/$1.00
4K ohms 3 watt, 1%, 2/$1.00
41 ohms 10W 1%, 1½x⅜ 85¢
75 ohms 50 W, 5%, 4x5/8 $1.

BOURNS 4114R-002 DIP NETWORK, 14-pin, 13 resistors 4700 ohm. 3/$1. 25/$6.00

MINIMUM ORDER $5.00

Power Transformer Filament Modulation Microphone Chokes

HIGH VOLTAGE TRANSFORMERS

PRI HZ SECONDARY SIZE WT STOCK # PRICE

117v 60Hz 375v 40MA 2/6.3..6A 2⅛x4x2½;4LB#24003 $3.95

115v 60hz 470vct@40ma 6.3vct@2a/5vct@2a 4x2⅛x2¼ 8lb 682-3023 $5.95

115 60 350 CT/26 MA 6.3V 3A 2½x3¼x3 4 647-6762 3.95

115v 60HZ 60VCT 1 AMP. 6.3V 3A 2½x3x2⅝ 2LB.#3464936-1 $2.95

115 V 60 880 VCT 260 MA; 5V 3A 4⅛x5½x4 10 ORD-7629825 $6.95

115 V 60 510 VCT 80 MA; 6.3 V 3.8 A; 6.3 V 1.2 A. 4⅛x3⅛x4½ 10 N1774922 $4.95

115 60 110v100MA,50VCT .5A,25VCT,.15A. 14VCT 2.5A. 4½x3⅜x3½ 10 KAL#2334 6.95

95-260 V 8-STEPS 175 VCT 150 MA; 6.3 V 6.3 A; 5 V 3 A; 12 V 0.6 A 4½x5½x4½ 15 2Z9608-12 4.95

115 60 820VCT,120MA. 6.3V 5.0v 2A. 4⅛x4⅛x4 10 O#7629831 6.95

120 60 750VCT,12MA,6.3 v2A,2/5v2A,2.5v2A. 3x3½x4 7 2Z9613.28 4.95

115v/60HZ 405VTAPS/5v2A/400v10MA/ 350v70MA. 6.3/4A/6.3v.6A 4x5½x4; 12LB #3C1538 $4.95

115-132 60 325 TAPPED 300 275,250 70 MA 2½x3¾x2½ 3 821-4954 3.95

120 60 6.4/1A 3/6.4v.3A 2½x3x2 1 645-0612 2.25

115 60 27v4.3A/2.6v3A. 4.1v5.1v6.4v3A. 5x5x5 15 D161915 9.95

115/60HZ 360VTAPS/7/332/346v.125MA 228v.015 6.6vct 4.2A 4x5x3½; 12LBS.#7489394 $3.95

105-125 60 6.3/8A/3A/10A 400CT-100MA 4½x6x4 15 827-2133 9.95

115/230 V 50-60 Hz 800 VCT 120 MA; 6.4 V 4.5 A; 5 V 2 A; 6.3 V 0.6 A 5x5½x4½ 20 KS-9779 6.95

115/60HZ 700VCT .050A 5V3A 4½x3½x3; 9 LBS#TF1A03Y $3.95

115 V 60 Hz 650 VCT 20 MA; 6.3 VCT 2.5 A. 3⅜x2⅜x4½, 10 #8734, $2.95

115 60 6760 V 60 ma (25 KV test, insulators 3½" high) 11½x8x6 35 #1000A-358 $25.

115 V 50 TO 2400 Hz. 990 VCT 71 MA; 6.5 VCT 5.4 A 5 V 2 AMPS. 3⅜x3⅜x4½, 12 #3259, $7.95

115 60 302 @ 100MA 287 @ 50MA 3½x3x2½ 5 899-4680 $3.95

115/230 50/60 CY 660CT@60MA 6.3 @ 5 A (FOR TG-34 KEYER) RD3⅜x4½ 8 2Z9608-110 5.95

115 60 150v@ 500 MA. 6.3v@3A,6.3v@1A. 3⅛x4½x4½ 11 T127J387 5.95

115 60 510VCT @ 100 MA. 3x4½x3½ 7 2Z9612.21 3.95

LOW VOLTAGE TRANSFORMERS

PRI HZ SECONDARY SIZE WT STOCK # PRICE

115v 60HZ 6v/1A 45VCT/.5A 3x2½x2½ 2LB #1461312 $2.95

115v 60 5.7 v. @ 21.8A 4⅛x4½x2½ 11LB 243-5754 $9.95

230 v - 115 60 5/22 A 8500WV 120v 60 HZ. 12.8VCT 6A. 5½x9½x4½ 4 645-6946 12.95

117v 60hz 55v @ 60ma 3⅜x2½x2⅝ 4lb 5950-8419 $2.95

117v 60hz 5v@6a(1500rms) 4½x3x3½ 9 " ORD762812 $2.50

115v 60hz 6.5vct@24a/ 6.5vct@1a/two 6.5vct@6a 6x5x4½ 20 " 647-6219 $9.95

220v 60hz 2.5vct@ 5vct @ 3a 4½x3½x3½ 9 THER-8708 $3.95

115v 60 HZ 6.3VCT 1A. 2⅝x1⅞x1⅞ 8oz.#118667 $2.95

115 60 TWO 30 CT/15MA 6.3/4.0 A 2⅜x2½x3 5 648-4774 4.95

115 60 6 V 15 A/1.5 V 200 ma 3½x3⅜x3 8 M-1018A $4.

115 50-400 3.0/250 MA 34/2.7 A 4⅜x4⅜x4 14 853-6026 $4.50

115 50/60 5 1.0 A 1.5 A RD.4x2½ 6 869-2849 $4.95

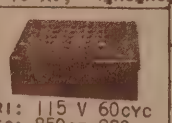
120v 6 3/6.3VCT .6A 2½x3½x2½ 1LB TF1A01YY $2.95

125 8.5 TAP 3.5v .1A

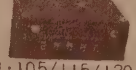
117 60 3!v@3.27A,15.5v .5!A,23VCT@.2!A. 24v @ .85 A. 3½x4½x4½ 10 5950-9195 $3.95

215 V 60 HZ 2.5 VCT 10 A.; 4½x3⅜x3⅜, 12, #2253 $2.95

PRI: 115 V. 60HZ
SEC: 1500v 300MA TAPPED 400 V. 4½x3⅜x4½; 16LBS. #J-6035, $12.95



PRI: 115 V 60CYC
SEC: 850CT 280MA 280CT 10MA 5 v 5 A. 6.3 v 600MA 36 v 5 A.
5½x5½x7½; 28 LBS. #5950-646-3943 $6.95



PRI:105/115/130/145/160/180/200/225/250/v 25-60CY
SEC: 780VCT@65MA. 2.5 v @ 2 AMP 6.3 v @ 4 "
5½x5½x4½; 13 LBS. 2Z9619-4 $2.95

Pri: 115/230 VAC 60 Hz
Sec: 1475 VCT 505 ma, 1070 WV 6.4 V 14 amp 5.1 V 5 amp 62 V 150 ma 19.2 V 1 amp
5½x4½x7, 32 lbs. #TED-5694, $20.

Pri:115v50/60hz Sec:1860vct @ 130 ma. 1500 wv 5½x4½x4½; 18 lb SMB202-909 $15

Pri:115v50/60hz Sec: 2340 vct @ 245 ma. 3940 wv 350 v. @ .016a. 7½x5x6½; 35 lbs. SMB202-907 $20

Pri: 115 V 60 Hz Sec: 1120 VCT 400 ma, 950 VCT 150 ma. 6½x5½x8, 38 lbs. #TRC-29/ SMB-20291 $16.95

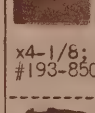
Pri: 115 V 60 Hz Sec: 900 VCT 88.4 MA 5x3⅜x4⅝; 12 lbs. #746-7167 $9.95

Pri: 115 V 60 Hz Sec: 4500 V 5 ma 5000 WV 5x3¼x4½; 12 lbs. #TFA02YY $12.95

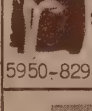
ISOLATION

SOLA ISOLATION PRI: 118 SEC:118 60HZ 50 WATTS CONSTANT VOLTAGE 3x5x4; 10 LBS. SOLA No, 21-197 UNUSED $14.95.

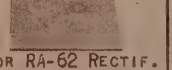
SOLA ISOLATION PRI: 95-130 v 60 SEC: 118 100 WATT CONSTANT VOLTAGE 5x8x3½; 15 LBS. SOLA NO. 22-397 USED $20.00



PRI: 115 V 60 Hz SEC: 730 VCT 230 MA: 5 V 3 A. 5-1/8x5½ x4-1/8; 16 LBS. #193-8504, $7.95



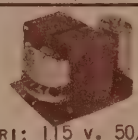
PRI: 115v 60 CYC SEC: 2 v. 30 AMP 3x3x4; 4LB 5950-829-8618 $2.95



FOR RA-62 RECTIF. USED TO POWER SCR-522 REC-TRANS PRI: 110/220 VOLT 40-60 CYCLE SEC: DC VOLTAGES 300 @ 230 MA BIAS 150 @ 8 " 13.4 @ 3.9 A. 5x5½x8; 30 LBS. #3340-296-862-192 PRICE: $7.95

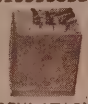
ART-13 MODULATION

ART-13 MODULATION TRANSFORMER 50 WATT 300-4000 RESPONSE ± 2DB,PRI. TO SEC. 1; 1/.695, PRI. TO SEC. 2, 1/.254, Z PRI. 15000 Z SEC.1 7300, TEST 4000 v. 4½x3¼x2½; 4 LBS. COLLINS#677N252 RE-MOVED $3.95



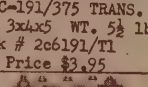
PRI: 115 v. 50/60 SEC:3/17 v. 5 AMP 28 v. 10 " WITH CAPACITOR REQ. VENTILATION 4½x5½x7½; 20 LBS. GE- 9T91A4074 $14.95

PRI: 115 v. 50/60 SEC: 100 VCT 1.5A 20 " 3.0A 2/20 v. 3.0A 35 v. 5.0A WITH CAPACITOR GE-9T91A4069 REQ. VENTILATION 5½x6x7½; 23 LBS. $12.95



MODULATION TRANSFORMER WATTS: 40 RES. IMPED. PRI: 113 OHM 5700 SEC: 72 " 2280 FOR 2/807 TUBES 3⅜x2⅜x3 WT: 3LBS #2ZK9634.21 PRICE: $3.95

MODULATION TRANSFORMER 100 Watt RESPONSE 200 to 5000 PRI: 7000 SEC: 7000 F/BC-191/375 TRANS. Size 3x4x5 WT. 5½ lbs. Stock # 2c6191/T1 Price $3.95



100 WATT MODULATION TRANSFORMER PRI: 7500 OHM CT 30,000 " SEC:3000 OHM 35W 200 MADC 600 CT. 1 W RMS TEST 1,2,3 500 v. OTHERS 2500 v. 200-3500 CPS. 4⅛x4½x4½; 11LBS #5950-646-3092 PRICE: $4.95

FAIR SIG TRANSFORMER

PRI: 115 VOLT 60 HZ. MADE FOR REC.
SEC: 500 VCT. 80 MA. BC-603-683,
24 v. 2 A. COMMAND,ARR15
5 v. 3 A. ARB & OTHERS
2⅛x3¼x2½; WT: 3½ LB. PRICE: $10.75

TRANSFORMERS LISTED BELOW HAVE 115 VOLT 60 HZ PRIMARIES UNLESS OTHERWISE STATED

Sec: 18 V 5.4 A, 26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A. 4½x4½x4, 16 lb #401-21 unused $8.95

Sec:40v 2.5A/6.3v 1.5A 3⅜x3½x5½; 10 LBS. #43278 $4.95

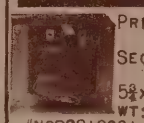
Sec: 125 v. 500 MA. 6.4 v. 3 A. SIZE:3½x3½x3⅜; 5 LBS. URC#46070-16 $4.95

Sec: 30 vct 560 ma 40 vct 450 ma 2⅜x2½x2; 2 lbs. #401-6 $3.00

Sec: 450 VCT 250 MA. 40 VCT 1 A. 2/6v 1A. SIZE:3½x3½x4½; 9 LBS. URC#702-704-00 $6.95

Sec:50v@100MA/3v@100 MA/40v@1.5A/40v@200MA SIZE:2½x2⅝x2½; 2⅝ LB. URC#372993-1 $3.95

22 VCT 75 A



PRI: 115 VAC 60 Hz SEC: 22 VCT 75 AMPS 5⅜x6⅜x6½; SM WT: 46 LBS. #NCR8318001, $35.00

24 V. 4 A.

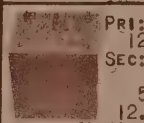
PRI: 115 v. 60 HZ. SEC: 24 v. 4 AMPS. 3⅜x3⅜x3; 5 LBS. NEW #CARSON-4892 $4.95

24/30/56 VCT

PRI: 115/230 v. 60 HZ SEC: 24 VCT @ 3 A. 30 VCT @ 3 A. 56VCT 3A. SIZE:4x3⅜x3⅜; 12 LBS. HAMMOND#U45797-2 $9.95

Pri: 115 VAC 60 Hz Sec: 560 VCT 50 ma 6.3 VCT 2 amps 3x2⅛x2⅛, 4 lb #7514 $4

Pri: 115 VAC 60 Hz Sec: 900 VCT 160 ma 4⅜x5x3⅜ 8 lb #74618 $4



PRI: 105/115/125 V 60 Hz SEC: 460 VCT 255 MA; 5 VCT 3 A. 12.6 VCT 3 A SIZE: 6½x4½x4½; 16 LBS #HE-131P, USED, $5.95

PRI: 115 VAC 60 Hz. SEC: 500 VCT 400 MA TAPPED ONE SIDE AT 50, 75, 120, 175 V.; 12.6 VCT 3 AMPS. SIZE: 4½x3½x4½; 15 LBS #84103AD1, NEW, $9.95

PRI: 115 VOLT 60 HZ. SEC: 130 VCT @ 200 MA SIZE:3⅜x2½x2½; 2 LB. URC#8316423 $2.50

Sec: 26.8 vct 1 A. 2⅛x 2x2½, 2 lb. #401-17 $3.

Pri: 210-250 v. 50/60 Sec:13.7 v. @ 1 amp. 6.3vct @ 4.75 amp 4½x3⅜x3⅜; 10lb 2Z9600-84 $10.00

Pri: 230 VAC 60 Hz Sec: 6.3 V tapped 5.67 V 20 amps. 5x4x3½, 7 lbs. #CS58590, $8.95

Sec: 175 VCT 100 MA. 75VCT 200 MA. 80 VCT 100 MA. & 5 V. 200 MA. SIZE:3x2½x2½; 2 LBS. URC#720660-1 $2.95

Sec: 60 VCT 1 A. 6.3 V. 100 MA. SIZE:3½x2⅜x2½; 2 LBS. URC#55-28224-1 $2.95

Sec: 40 VCT 1 A. SIZE:3½x1⅜x2; 1⅞ LBS. URC#56000 $2.95

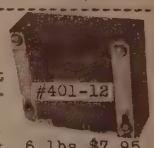
Sec: 24@2A/6.3@100MA 24@100MA. SIZE:3⅜x3x3 4 LB. URC-LT-646 $4.95

Sec: 30 VCT 200 MA. 45 VCT 100 MA/2.5v30MA SIZE:2½x1⅜x2; 1 LB. URC#374501-1 $2.95

Sec:40vct.2A/40v2.15A 24.5v/1A/14.2v.4A/117 v .05A 3⅜x4⅝x3; 10 LB #9807 $6.95

Sec:520VCT 30MA/6.3v 2A. 3⅜x2⅝x2½; 3LBS. 5950-646-5586 $2.95

115 VAC 60 HZ Sec: 32 volt center-tapped 5 amps. 3½x3⅝x2½, 6 lbs $7.95



#401-12

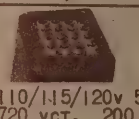
Sec: 125 V tapped 90 volts 3 amp. 4x4½x3⅜, 10 lbs. #225-3992, $12

22 VCT 3 A.

90 VCT 1.6 A.

PRI: 100,115 v. 60 HZ. SEC; 22 VCT @ 3 AMP. 80 VCT @ 1½ " SIZE:3⅜x3x4; WT: 8 LBS #3S92890015 $4.95

2000 VA SOLA CONSTANT VOLTAGE TRANSFORMER; PRI: 95/175/190 TO 130/235/260 VAC SEC: 118/235 VAC 17/8.5 AMPS 20x9x10⅜; 160 LBS. SH #23-25-220, USED $250.



PRI:110/115/120v 50/60 SEC:720 VCT. 200 MA. 6.6 " 10 AMP 12.6 v. 3 " 5.25 v. 3 " 5x5x4½; 20 LBS. 5950-193-8679 $12.95

PRI: 115 VOLT 60 HZ. SEC: 35 VCT @ 1 AMP. 6 V. @ 300 MA. SIZE:2½x2⅝x3; WT: 3 LB. URC#1341155-2 $2.50

Pri: 115 VAC 60 Hz Sec: 45 VCT 500 ma 6 V 500 ma Size: 3¼xx2½x2⅛; 2 lbs. URC#203A6725-10 $2.50

PRI: 115 VOLT 60 HZ. SEC: 115 " TAPPED @ 65 " 1 AMP. SIZE:3⅜x3½x3; WT: 3 LB URC#105P10 $3.95

SEC:500VCT 35MA/24v.9A 6.3v.9A/6.3v .3A/4LBS. 3x3x3⅛;#RM13-317 $2.95

TRANSFORMERS

55VCT 8A

Pri:105/110/115 60 hz.
Sec: 58 vct 8 amp
20 " 500ma
4½x4x3½; 5 lbs
North-6012185 $10

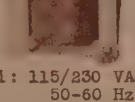
82VCT 8A

Pri: 105/110/115 50-60 Hz
Sec: 32 VCT 8 amp
4x3½x3½, 6 lbs.
North 6012143 $6.

PRI: 115 V 60 Hz
SEC: 15 V 3 AMPS; 13 V 2 A; 6.3 V 7 A.
WITH CAPACITOR, 4½x3½x3½; 13 LBS.
#PV-175-9, $5.95

PRI: 115 V 60 Hz
SEC: 12.5 V 2 AMP
150 V 2 AMPS
4½x3½x4½; 13 LBS
#773605, $6.95

STEP-DOWN/STEP-UP
PRI: 208/240/416/440 V 50-60 Hz
SEC: 74/96/120 V
6x6x7½; 42 LBS.
#M93-104, $25.00



Pri: 115/230 VAC 50-60 Hz
Sec: (12 V 14 A. by wiring 12 V secondaries in parallel) or 12 V 9 A, 12 V 3.2 A, 12 V 2 amps; also 44 V 2.5 amps.
5½x4½x4½; 22 lbs
#P-601719, $9.95

MICROPHONE TRANS
PRI: 40 OHMS
SEC. 75000 "
SIZE: 1½x1½x2
WT: 2 oz.
2Z9986-2/RM-12
PRICE: 75¢

AUDIO MATCHING

AUDIO MATCHING TRANSFORMER 12 step primary
300 to 1500 ohms
secondary 8 ohms
2½x3x2½; 1 lb
URC-138226E $2.50

Microphone Transformer
Pri: 1 ohm
Sec: 2000
1½x2x1½
STK#2Z9666A
Price $.59

1-177
TUBE CHECKER TRANSFORMER
SIZE: 4½x4x4,5½LB
STK.# 2Z9613.667
PRICE: $4.95

PRI: 26/115/230 V 60 HZ.
SEC: 13 V. 8 AMPS TWO 230V WINDINGS TO SUPPLY 370 VDC 600 MA.
5¾x5½x5; 22 LBS.
2Z9613.514 $7.95

PRI: 115/230v 60HZ
SEC: 5 VCT 10 AMP.
3½x5½x3; 8 LBS.
#7346 $4.95

ALL PRIMARIES 115 VOLT 60 CYCLE

SEC: 6v. @ 500 MA.
1¾x1¾x1⅜; 3 oz.
URC#137B648 $1.25

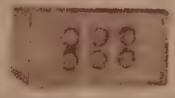
SEC: 6.3 v @ 1 AMP
1¾x1¾x1⅜; 3 oz.
URC#115821 $1.50

SEC: 2/14 v. 600 MA
2½x1½x2; 1 LB.
VARNEY 214/6 $1.95

SEC: 2/30 v. 250 MA
2x1⅝x1⅜; 4 oz.
URC#60605 $1.50

SEC: 13 V. 1.5 A
3½x1¾x2; 2 LBS.
#EDI-0-2, $2.25

SEC: 24 V 1 AMP AC
3¼x1-5/8x2; 3 LBS.
#PC-977, $2.95



AUDIO OUTPUT TRANS
PRI: 450 OHMS
SEC: 300/4000 OHMS IMPEDANCE
PO/BC-348
STK# 2C4348M/T
2x2½x4 WT. 2½ LBS.
PRICE: $1.00

OUTPUT TRANSFORMER

NP/NS-1.77/6.6,50 TO 5000 CYC. 5MA.
SIZE: 2x2x2
GEM 7465623-1
PRICE: $.75

LOW VOLTAGE TRANSFORMERS

ALL PRIMARIES 105/110/115 120/125 VOLTS 60 CYCLE.

SEC: 6.6 v. 18 AMP
3½x5½x4; 12 LBS.
GE#9T35Y159 $4.95

Sec: 6.3 v. 30 amp.
6x4½x4; 20 lbs.
#FT2564 $9.95

Sec: 6.3 V. 5 amp. 8 KV insulatio. 5x3½x3; 7 lbs.
#059-2414 $5.95

Sec: 5 v. 6 amp. 2000v. test
3¼x3¼x4¼;71b ORD7629812 $4

Sec: 6.3 v 20 amp. 5½x3¼x4
9 lbs. 615-4271 $7.95

Sec: 6.3@3.1a/6.3@2.5a/6.3@.45a/6.3@.30a/2-5.0@2 amp.
TF1A01JA $3.95

Sec: 5vct @ 4a/5vct @ 2a/6.3v @ 1a. 3½x3½x3: 6 lbs.
Bendix L217336 $3.95

Sec:3/6.3v@2a. 5v @ 3a.
3x4½x3; sh. wt.7 lbs
GE80G114 $3.95

Sec: 2/6.3v @ 2a 2¾x3½x2½; 2 lbs. sh. #0555 $3.95

Sec: 6.3 vct @ 3.4a/6.5vct @ 13.7a/5.2v @ 6.3a/5.2v @ 2.1a. 4½x3½x6; 15 lbs.
TRC-SMB-202910 $6.95

Pri: 220 volt 60 hz.
Sec: 6.3 " 20 amp.
4½x3½x3; 8lb. XA16809 $7.95

Pri: 210/220/230/240v 60 hz
Sec: 5 VCT 10 amp. Stand of insul:1¾". Wilcox 96C Trans
5x4½x5; 10 lb.
2Z9600.42 Kenyo 10694 $10

PRI: 115 VOLT 60 HZ.
SEC: 850v 225MA.
500v 125MA &2/5.1v@3A.
6.3@2.5A/6.3v@1.25/6.3@1A
6¾x6½x5½; 25 LBS.
#188-7474 $9.95

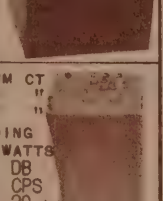
PRI: 115 v. 60 HZ.
SEC: 900 VCT 130 MA.
5x5x3¼; 13LB. 2Z9612-38 $8

PRI: 115 VAC 60 Hz.
SEC: 2/150 V. 940 MA
5x4x3½, 9 LBS. #U7450 $10.

MICROPHONE TRANSFORMER
PRI: IMPEDANCE 50 OHM 30MA
SEC: IMPEDANCE 500 OHM
FREQ. RESPONSE 400-1900CPS
SIZE: 1⅛x1⅛x1⅛; WT: 8 OZ.
$1.00 T-204/PP-115

LINE TRANSFORMER INPUT
PRI: IMPEDANCE 500 OHM CT
SEC: " 500 "
FREQ. RESPONSE 600-12000CP
SIZE: 2¼x2½x2; WT: 1 LB.
T-203/PP-115 $1.50

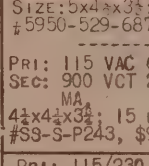
PRI: 115 V 50-60 Hz.
SEC: 2000 VCT 500 MA (700 MA INT)
7x5½x5; SH. WT: 32 LBS.
#SS-HW-201-P
USED, $27.50



PRI: 7000 OHM CT
SEC: 265 " "
80 " "
ONE WINDING
POWER: 62.5 WATTS
RESPONSE: 1 DB 20-20,000 CPS
SIZE: 4½x6x4; 20 LB
TF1A13MA $4.95

HIGH VOLTAGE TRANSFORMERS

DC POWER SUPPLY
PRI: 115v 60 CY
SEC: -8000 v, @.25-1 MA.
-120v @ 15 MA
- 24v @ 1.2 A
-16.v @ .45 A
SIZE:4x4x9½; WT: 15 LBS.
#GE9T63Y2280G03 $14.95



IGNITION TRANSFORMER
GE# 9T62Y4054
PRI: 120v 60Hz
SEC: 5000 v. 20 MA.CASE GN
SIZE:5x4½x3½; WT: 13 LBS.
#5950-529-6870 $9.95

PRI: 115 VAC 60 Hz
SEC: 900 VCT 250 MA
4¼x4¼x3½; 15 LBS.
#SS-S-P243, $9.95

PRI: 115/230 v. 60 HZ.
SEC: 520 VCT @ 90 MA.
6.3v/1½ A. 6.3vCT 4A.
SIZE:4½x5½x3½; WT: 7 LBS.
#TB1RX03LB/FGC-29 $5.95

CHOKE FOR ABOVE 10/25 HY. 125/15 MA. 4½x3½x4½; 4 LBS
#TF1RX04LB/FGC-29 $3.95

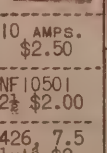
ISOLATION 6.3 TO 6.3

PRI:6.3v 60HZ./SEC: DUAL 6.3v 1A. 3x3x2½; 1LB.
FGC-512664A $2.95

PRI: 105-110-115 120-125
SEC: 560CT 75 MA
365 V 150 MA
TAP335 V
3½x5x3" 8 LBS.
TF1A02JA $1.95

NOISE FILTERS

RADIO INTERFERENCE 250 VOLTS AC/DC 3 AMPS. F-311/U
3½x4x1⅝; 12 OZ.
SNSN N17S050968-5555 $3.95



FILTRON FA-380 3x10 AMPS. 28 VDC 3x3x1⅝ $2.50

CORNELL-DUBILIER NF10501 4 AMP 50VDC 2⅝x2x2½ $2.00

TOBE FILTERETTE 1426, 7.5 AMPS 500 VDC 2⅝x1½x1⅝ $2

TOBE 1163FL-23 10 AMP 30 V DC 2x2x1, W/BRACKET $2

SPRAGUE JX-51K 10 AMPS, 100 VDC. SIZE 2x2x1½; $2

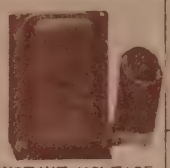
PRI: 110/220/440 v 50/60 CYCLE
SEC: 24 v 6 AMP. 6 v 1 "
CIRCUIT RESET FOR 4¼" SQ. BX. MTG.
7x4½x5; 10 LBS.
FOSTER#11586 $6.95

SOLA

Pri:100-130 v 60
Sec: 6 @ 25 amp
38lbs
Sola#302237 $15

Pri:95-138v 60
Sec: 60vdc 5.5a.
6x6x15; 40 lb
Sola#21796 $40

Pri:190-280v 60
Sec: 118v@8.48a
5x5x14; 30 lbs
Sola#20-20-210 $35



CONSTANT VOLTAGE TRANSFORMERS; 95 TO 130 VAC 60 Hz PRIMARY; WITH CAPACITORS. SOLA AND OTHER MFGS. REMOVED FROM E-QUIPMENT.

SEC: 18 VDC 6 AMPS
SIZE: 4½x3x5, 10LB
#21804 $7.95

SEC: 24 VDC 5 AMPS
SIZE: 4½x3½x5 15LB
#22661-1 $9.95

SEC: 25-27VDC 3.5 A AMPS; 5x3½x4½ 11LB
#22662 $6.95

30 V 65 AMP

Pri: 115 VAC 50-60 Hz
Sec: 36 V 65 amps
7¾x7x5⅝, 50 lbs sh.
2Z9614-56 f/PP-34, $35

Pri: 115 volt 60 hz
Sec: 40-0-40 v.180ma
3x3½x5; 5lb
ORD-7629808 $2.95

KLIENSCHMIDT#5399
Pri: 95/105/115/125/190/210/230/250 60HZ
Sec: 2/4/6/8/v 225 ma. 90/100/110@225ma 115v@500ma. 4½x5½x4; 13 lbs $9.95

400 HZ AUTOTRANSFORME
83-115 volt tapped
6.5@11.8a/9v@15.5a, 117 v. 140 va. 4½x4x4
10 lbs. #6167 $5.00

ISOLATION 400 Hz 115 V 175 WV. Sec: 115 V 9 A. 1060 WV
7x4½x5½, 30 lb. #5095 $25.

PRI: 1/2/4/10/20/40/100/200/400/1000/2000
SEC: 40 v. 100 MA
6x7x5; 20 LBS.
ESPEY T-4|627 $8

PRI: 115v 60 HZ.
SEC: 1300VCT 100MA 6.3v 2A. 5v 2A.
4½x3½x4; 8 LBS.
URC#EK211-PAL18 $8.95

PRI: 115v. 50-1600 HZ.
810VCT 125MA/570VCT 75MA. 2/5v 2A/6.3v 3.25A/2/6.3.65
4½x5½x4; 18 LBS.
C-1367048 $8.95

MODULATION

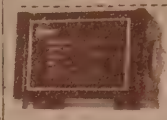
MODULATION TRANSFORMER
Pri: 3000-3000
Sec: 4250 7.5 KV
Max. DC oper. 15 KV
13x10x10; 90 lbs.
American Trans.#31005
5950-228-0821 $45.00

Collins 250 watt modulation,677-1040-00
Pri: 12500 Sec; 5000
Test volts 7500
Response 400-5000
9x9x9: 75 lbs.
5950-235-6857 $39.50

Audio Development6977 Modulation,plate to plate 15,800 ohms.
4500 .900a DC, 7500 .535ADC,DB 400-3000CPS
11x8½x10½; 110 lbs.
5950-568-4831 $50

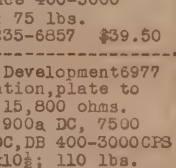
PRI: 115 V 60 c
SEC: 6.3 V 3.6 A
15 V.004 A
15 V.004 A
SIZE:3x3½x3;4 LBS
STK#ORD7629806
PRICE: $1.50

CONSTANT VOLTAGE
SEC: 6.5 v. 12 AMP
PRI: 95-130v 60 HZ.
SIZE:9½x4x4; 15 LBS
SOLA#302473 $9.95



MAGNETIC AMPLIFIER
115,400 CY/HEATER/D.C REFERENCE/CONTROL.
KEARFOTT#425957-1A/SPERRY 622033. 3x2x2; 1¾ LB.
5950-712-3882 $3.95

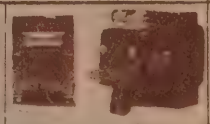
PRI: 2/115 VAC 50-60 Hz.
SEC: 5 VCT 2 A; 5 VCT 4 A; 6 VCT 3.5 A; 115 V RMS 600 MA.
SIZE: 4½x4½x3⅝; WT: 15 LBS.
#89-G-2730, USED, $4.95



PRI: 120 V 60 CY
SEC: 2.5 V 10 A. NO C.T. INS.10M.
4½x3½x5; 8 LBS.
#2Z9611.144 $2.95

PRI:115v60CY
SEC:375.5v @.016A
7.1v@ 1.15A
2x3½x2; 1LB
2Z9619-62 $2.95

PRI:115v 50-138CY
SEC:20 VOLT LOAD OR 12.5v @ 2 AMPS MOUNTED ON 4" RD. ELECT. BOX COVER
3x3x2½; 2 LBS.
#FR-24960 $1.25



PRI:115 V 60 HZ
SEC: 24VAC 2.2 A.
3x2½x2½; 4 LBS.
#BF 8445 $2.50

PLUG-IN TRANSFORM
PRI:115v 60HZ
SEC:24v 20VA
2½x2x2; 2LB.
BL#8002 $1.50

CHOKES

12 HY @ 500 ma 77 ohm 5x5x5½; 22 lbs #9230 $10

10 HY @ 225 ma 75 ohm 500v 4½x3x5; 12 lb #3C26009 $6

4 HY 400 ma 35 ohm 1.07 kv 5x4x3 10 lb GE9T35Y231 $6

4 HY 650 ma 25 ohm 1.07 kv 6½x5x4½ 20 lb GE7485547 $9

10 HY 150 ma 130 ohm 1680wv 2½x2½x5; 5 lb SMB-20291 $4.

10 HY 400 ma 55 ohm 700 wv 5x4½x6; 25 lbs SMB203042 $7

10 HY 125 ma 2 KV 500 V to gnd. 4½x2½x4; 6lb #52-3 $4

10 HY 225 ma 100 ohm 500 v. 4½x5½x5; 6 lb L686944 $4

SWINGING CHOKE: 2.5-11 hys. 425-60 madc 1525 pwv 101b 5x4x3; GE#7415212 $5.95

SWINGING CHOKE: 10-25 HYS. 125-15 ma. 1070 pwv 9 lb. 3½x3½x4½; #FGCTF1RX04LB $4

140 HY @ 5v,60Hz, 10MADC, 2700 OHMS,2½x2½x3½, 3 LBS #HA-81C $2.95

10-22HY @ 40MA, 475OHM, 1½x 2½x1½; ½LB. #3C570 $2.00

20 HY. 50 MA. 375 OHMS. 3x 2½x2; 1LB. #3340-6428 $2.25

10 HY. 50 MA. 100 OHMS. 3x 2½x2; 1LB. 3C573/341 $2.00

17 HY. 80MA. 300OHMS. 2½x 2½x2½; 1LB.HRO-3C326-31A $3.

8 HY. 100MA. 160 OHM; 3½x 2½x2½; 3LB. TR-1024 $3.00

10 HY. 100MA. 263 OHM. 3½x 3x2½; 3LB. #228-1859 $3.25

10 HY. 120MA. 200OHM. 3½x 2½x2½; 3LB.TF1A04YY-RD60 $2

150 MA AVAILABLE VARIOUS HY TELL US YOUR NEED.

3 HY 350 MA 30 2K PV; 3½x 4½x2½, 6 lb. L-225/PP115 $3

5 HY. 400MA. 60 OHM. 4x5½x 4; 12 LB. L217432-1 $5.00

TELE. REPEAT

4 WINDINGS 21 OHMS EACH. CROSS-TALK PROOF SHELL. 3C1327A 6x2½x4; 3LB. $3.00

4 WINDINGS, AUTOMATIC ELEC #D281723B 3½x2½x2; 2 LBS. 3C1400-6 $2.75

10,000 VOLT

AMP P/N 845321-3 PRI:115v 60Hz. SEC; 10,000VAC|00MA 5x5x4; 10LBS. $20

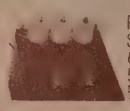
SCOPE XFORMERS

PRI: 115 VAC 60 Hz-535 WV SEC: 1850 V 7.1 MA RMS Two 2.5 V 3 AMPS 5.7I KV WVM. SIZE: 3½x3½x6½; 9 LBS. SH. #K56J54, UNUSED, $7.95

PRI: 112/117/122v. 60 HZ. SEC: 228v @ 15 MA. 360v @ 125 MA. TAPPED @7v/332/346 6.6 v. 4.2 AMP. 5x3½x3½; 8LB.2Z9613-869 $5

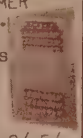
PRI: 115v. 50 TO 1200 HZ. SEC: 700VCT @ 70 MA.TAP.65 400v @ 10MA 5v@2 A. 6.3v @ 4A. & 6.3 v @ .6A. 5½x4x4; 10 LBS. CALF-301538 $4.95

PRI: 115/230 VOLT SEC: 54.4VCT 2.5A 37.5VCT 7.8A 36.5VCT 2.3A 6½x5½x4½; 20 LBS. SCHOTT TY4RX020A $12.95



PRI: 117v 50/60 SEC: 6500VCT 65MADC, 4350WV 5½x6½x7½; 35LBS 539-6504 $25.00

REFERENCE TRANSFORMER PRI: 120 v. 55-65 HZ. SEC: ALL IN BRACKETS ARE SEPARATE WINDINGS (2/30VCT)(2/1VCT) (2/.2)(1.9 & .1)(2/3 &.1)(.1)(.3&.1)(.2& 2.7)(3.9)(4/1.7)(.1& 2/4.2)(3.6/13/23.4/3.3/.5/ 6.2)(78) END.8x7x5"; 30LBS. 648-3793 $20.00



1.5 HY 1.5 AMP 5000 v. TEST 8½x8½x6½; SHPG. WT: 60 LB 5950-159-6041 $14.95

12 hy 400 ma 100 ohm 2500 v test 6x5x4½; 22LB L217434 $10

SWINGING CHOKE 12 hy 70 ma 5.5 hy 900 ma 50 ohms 115 v 60 hz. 5½x4½x5½; 30lb 3340-6850 $10

10 hy 75 ma 375 ohm 2½x2x1½;11lb ADA8696 $3

15 hy 100 ma 200 ohm 1600v 4½x2½x2½; 61b 3TAM.1037 $2.95

1 hy 235 ma 80 ohm 2x2x1½;8 oz #0146 $2.00

6.3 hy 6.24a 61 ohm 3½x3x3½; 51b 814-2421 $4

10 hy 250 ma 120 ohm 430wv 4½x3½x3½ 8 lb 3C557Z31-1 $5

20 hy 110 ma 1780 vt 3½x4x3½; 8 lb UX-9121 $2.95

20HY 200MA 151OHM 60HZ 5360v MAX.W 5½x4x5½;16LB 557-6198 $15.00

6.7 hy 215 ma 2100 v rms 4x6x3½; 12 lbs N-163579 $4.95

3.5 HY 500 MA 100 V. 60 CYC 30 OHMS 715WV 4x5½x3½;10 LBS TF1A04KA/A8649 $2.95

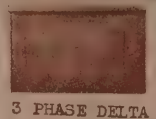
11 HY 120 MA 3½x3x3½ 6LBS. #13639-S $1.95

5 HY 400 ma 50 ohm 2500vt Size 6x4½x4 wt: 13 lbs #3521746 $8.95

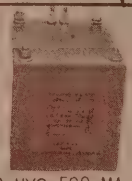
10 HY 225MA 85 OHM 3½x5½x5 WT. 11 LBS. #TF1RX04YY $3.95

PRI: 115 VAC 60 Hz SEC: 550 VCT 200 MA; 5 V 2 A; 6.3 V 3 A. 4x5½x4½; 15 LBS. SH. #K-44J208, $6.95

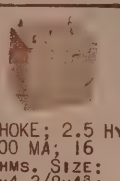
DUAL CHOKE 11 HY 100 MA 200 OHMS 4x4x5½ WT 8 #3C557F-1 $1.75



3 PHASE DELTA 60 hz 400 wv nominal 208 v 3phase 1940 wv 1370 v rms 52 ma rms per leg 5x5½x4½;18 lb 686-6836 $25



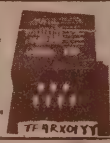
0 HYS 500 MA 45 OHM DC RES 500 WORK VOLTS #5950-646-1383 $5.95



CHOKE; 2.5 HY 700 MA; 16 OHMS. SIZE: 5x4-3/8x4½; SH WT: 17 LBS #147-1340, $3.95

PRI: 115 VAC 60 Hz SEC: 280 VCT 75 MA; 13.5 V 1.2 AMPS; 5 VCT 3 A. SIZE: 4½x3½x4-5/8; 16 LBS. #193-8767 $3.95

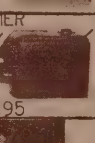
PRI: 220, 230, 240 SEC: 14v @ 5A 20v @ 5A 4x4½x5½ WT. 12 LB CS8779A $5.95



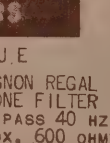
PRI: 0/116/120/ 124v. 60CY. SEC: 126v. 1.1A. 114v. 1.0A. TF4RX01YY 8½x5½x4½ .27 LBS. K95-1476 $7.95

PRI: 117v 50-60CYC SEC: 3/5v CT @ 2A 2/5v CT @ 2A 2/2.5v @ 10A 7x4x3½ WT. 12 LB GILFILLAN #54148-1 PRICE: $5.95

PRI; 220/230/240v 50-60 CYC. SEC. 2.5v CT @ 10A 5½x3½x3½ WT. 6LBS 5950-648-4773 PRICE: $2.95



IGNITION TRANSFORMER PRI: 230v 50/60 CY SEC: 5000v 18 MA ONE END GND. 6x4½x3½; 12 LBS. 5950-959-5369 $7.95

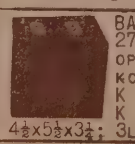


FILTERS

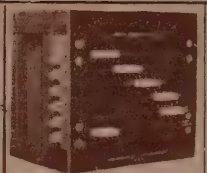
ANTIQUE

MIGNON REGAL TONE FILTER HIGH PASS 40 HZ APPROX. 600 OHM INPUT W/0.8 MFD CAP. TO 600 OHM SPEAKER. 6 OZ. SIZE:2½x3½x3½ AGE WORN $1.95

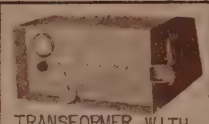
SONGBIRD TONE FILTER; LOW PASS, OUTPUT DECREASING ABOVE 1000 HZ., INPUT RESIS DC 1400 OHM, OUTPUT RESISTANCE DC 1500 OHM. AGE WORN SIZE:2½x3½x3½; 6 OZ. $1.95



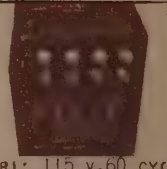
BAND PASS FILTER 27.8 TO 30.8 KC., OPER. FREQ. 29.3 KC, INPUT IMP. 200 K OHMS OUTPUT 100 K OHMS. 2Z4376.28 4½x5½x3½; 3LBS. $2.95



DAVIS DIMMER AUTO TRANSFORMER 230 VOLT 60 CYCLE 1 PHASE WITH 5 48 VOLT CIRCUITS THAT CAN BE VARIED 0-48 V. MAX. 20 A. TOTAL. SIZE:10x10x7; SHPG. WT: 90 LBS #GR-3 $19.95

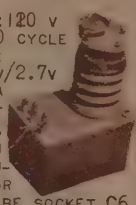


TRANSFORMER WITH METER 0-100 AC AMPS. PRI: 115 VAC 60CY SEC: 10/14/19/24 W/ON-OFF SW. AND FUSED LINE.140 LB SIZE:16x8x15½; 5950-537-4950 PRICE: $39.50



PRI: 115 v.60 CYC SEC:150v. 550 MA 150v. 2.0 AMP 5.0v 5.0 " 6½x6½x4½; 28 LBS. 5950- $6.95 5950-481-3482 $6.95

CHOKE 0.9 HY. 120 HZ. 0.8 TO 1.0 A D-C 650 v. 8.5 OHM 4½x5x3½; 10 LBS. 645-1233 $4.95



PRI: 120 v 60 CYCLE SEC: 5.4v/2.7v @15A 5VCT @15A WITH INSULATOR & TUBE SOCKET C6 5x5x7. 15 LBS 5950-553-5572 $14.95

MULTI-VOLTAGE ISOLATION TRANS. PRI:73/88/95/105/ 115/125/190/210/ 230/250. 50/60 CY SEC:17.6/35.2/189 193/196/200/203 @ 1.6 AMP. 9½x4½x7½; 40 LBS. 2Z9619-6 $14.95

18 hy 50 ma/2.5 hy 650 ma 440 ohm 2100 wv 6x6½x5½; 30 lb #6277 $12

30/8 HY 10/130 MA DC CHOKE; 500 V RMS RIPPLE, 150 OHMS; 1200 WV. SIZE: 3x4½x3½; 10 LBS. SH. #969-5721, $2.95

VARIABLE TRANSFORMERS

* * * * * * * * * * * * * *

115 VAC 60 Hz PRIMARIES

VARIAC 200B, 0-135 V @ 1.0 amp, used $8.95

VARIAC or similar, 0-120 V 2 amps, used, $14.95

STACO 300BU, 0-140 V @ 3.0 amps, used, $14.95

POWERSTAT TYPE 21, 0-130 V 4.5 amps, used, $20.95

VARIAC V20 or W20, 0-135 V 20 amps; w/knob, used $45.

GE#9T92Y51, 0-240 V 30 amps from 120/240 V 1 ph, $100.

VARIAC 115 VAC 60 Hz 9 amp ganged for two phase motorized 115 VAC 60 Hz. CN-54/FST-1, used, $50.00 Less motor $45. 1-sec. $25.

POWERSTAT LW136, 30 V 25 A or 15-0-15 V 35 amps output from 120/240 VAC 50/60 Hz input. 28 lbs sh. Used $40.

VARIAC M20RB 120 VOLT 350HZ 20 AMP. MOTORIZED 115v400HZ #5950-089-7734 NEW $65.00

POWERSTAT 5-1066, 0-3.5 V @ 2 AMPS FROM 12 V 60 Hz INPUT, USED, $2.95

VARIAC 200-CUH, 0-270 V @ 2 AMPS FROM 230 VAC 60 Hz INPUT, UNUSED, $18.95

VARIAC M-5/RMS11-2, 0-135 V @ 5 AMPS FROM 115 VAC 400 Hz INPUT, #7486, $12.95

POWERSTAT, 115v. 400/800HZ OUTPUT: 0-130v 7.5 AMPS, 0.975 KVA. #5950-518-2508, NEW $13.95

KNOBS FOR VARIACS

2-3/8" dia. fits 3/8" shft. W/ptr. Luxitrol, $1.50

4" dia. w/ptr. f/½" dia. shft. Powerstat, $2.95

3½" dia. wheel w/pointer; f/3/8 d. sh. Ohmite, $3.95

4" d. wheel w/ptr. f/11/16" d. shft. KNOB-35, used, $3.

7½" DIA. WHEEL-TYPE CONTROL W/ALUMINUM POINTER; FITS ¼" SHFT. POWERSTAT, $5.95

DIAL PLATES, UNUSED.

4" DIA. 0-100 SCALE; 7/8" DIA. CTR. HOLE, TAKES 3 SCREWS. #BP8087, $1.00 EA

10" DIA. 0-100 SCALE; 1¾" DIA. CTR. HOLE, TAKES 4 SCREWS. #BP653, $2.50 EA

VARIAC OR RHEOSTAT CAGE; SLANT FACE, 8½WX7½HX8½D (BASE) AND 1½ DEEP (TOP). WITH 5½" DIA. 0-100 DIAL PLATE, 3 BANANA JACKS, RUBBER FEET. GREY. OHMITE MFG. #6975, NEW, $10.

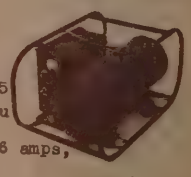
* * * * * * * * * * * * * *

Many other variable transformers in stock, 60 and 400 Hz. WRITE us your needs.

CW-30983 VARIABLE TRANSFORMER ASSY. PRIMARY 115/220/440 VOLT 1 PHASE 60 HZ. SECONDARY 115 v. 1 PHASE 1 KVA. IN CABINET W/ON-OFF SW. & FUSED CIRCUITS. SIZE 20x15x 12; WT: 200 LBS. $75

PU-235/U AC to DC CONVERTER, input 115 VAC 50/60 Hz single phase 29/31 amps, 3 H.P. 2800/3400 RPM. Output: 28.5 VDC 42/52 amps 1.2/1.5 KW. W/meter, fan. 250 lbs. Used $165

PU-175/U AC FREQUENCY CONVERTER, inpu 220/440 VAC 60 Hz 3-phase, 5 H.P. Output: 120 VAC 400 Hz 3-phase 18/26 amps, .8 pf 80. 225 lbs sh. Used, $350.00



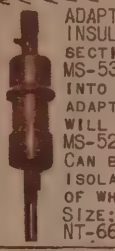
ANTENNAS

MP-22 MAST SECTION MOUNTING BASE WITH SWIVEL THAT WILL TIP TO 90 DEGREES, RIGHT OR LEFT AND WILL LOCK IN THE VERTICLE POSITION. WILL TAKE MS-53 OR MS-54 MASTS AS THE STARTING SECTION. MOUNTING PLATE SIZE:5x6 HIEGHT OF BASE 10". WT: 10LBS. $4.95

MP-22A SAME AS ABOVE EXCEPT THE STARTING SECTION IS MS-51 AND YOU CAN ADD MS-50 & MS-49. $4.75

MAST SECTIONS (shown to left) 3 ft. painted, copper-coated tubular steel. Sections screw together to make desired length with MS-49 as top--then MS-50, -51, -52, and -53. MS-53 can be screwed into another MS-53 for added length. (MS-53 also screws into MS-54, -55, & -56, none of which are available.) Sections self-supporting to 15 feet. Taper 5/8" to 3/16"; 1 lb sh wt per section. May need paint but usable. MS-49-50-51-52, used 75¢ ea. Unused $1.25 MS-53 section, used $1 each. Unused $1.50

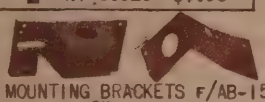
CW-206 ROLL BAG for MS-116-117-118 mast sections; 40"Lx3"Hx5"W, used, $5.00



ADAPTER BASE WITH INSULATOR, Mast SECTIONS MS-52 OR MS-53 WILL SCREW INTO THE TOP, AND ADAPTER BOTTOM WILL SCREW INTO MS-52 OR MS-53. CAN BE USED TO ISOLATE SECTIONS OF WHIP OR DIPOLE. SIZE: 1¾x8; 1½ LB. NT-66023 $1.95

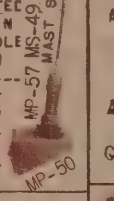
B&W 1KW BALUNS, the missing link between balanced antenna loads and unbalanced feed lines. 4x4½x4½; unused. Model 702 (20 meters) $6.95 #700 (10M) or #701 (15M) $5

MP-57 MAST BASE WITH COIL SPRING & LARGE INS. FOR USE W/MS-49 TO 54 MAST SEC. LISTED TO LEFT, 11½"Hx4½" INSULATOR, REQ. 2½" HOLE MTG. (c-MP-50) $10

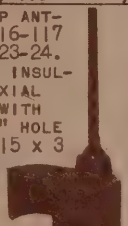


MOUNTING BRACKETS F/AB-15 OR LIKE 2" DIA. ANT. BASE MP-432 SIDE MOUNT, 6x11½ x4½; 8 LBS SH., $3.95 #2Z1239-278 "L" MOUNT, 6x 9x5; 5 LBS SH., $3.00

AB-243 CORNER BRACKET f/MP-48,-57; AB-15 bases. (See pic with AB-15.) 7 lbs. $7. MP-50 or -50A BRACKET, 5x5x8, 6 lbs $6.



AB-15 BASE FOR WHIP ANTENNA SECTIONS MS-116-117 118 ALSO AB-21-22-23-24. SPRING ACTION WITH INSULATOR 3½x3" AND COAXIAL CONNECTOR FOR USE WITH PL-259, REQUIRES 2" HOLE FOR MOUNTING. SIZE 15 x 3 WT: 2 LBS. $4.95

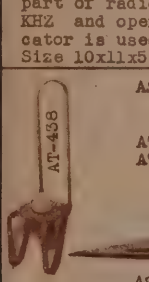


WHIP ANTENNA MAST SECTIONS FOR USE WITH AB-15. MS-116 IS LARGEST, 39½"L X .393" DIA; CAN BE STACKED. MS-117 & -118 TAPER 39½"L. MS-116 OR -117, $2.50/SEC. MS-118 WRITE.

CG-1013 TRANSMISSION LINE LAUNCHING UNIT WITH HEATING ELEMENT INSIDE. ALUMINUM W/CONICAL FIBER GLASS SHIELD OVER ELE. COAXIAL CONN. FOR UG-100 PLUG, 33" LG. 8" DIA. 10 LBS. $5

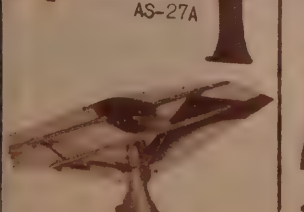
RG-14A/U COAXIAL CABLE 51 OHM #10 w/UG-100 &UG-707 10' $7.50 15' $10

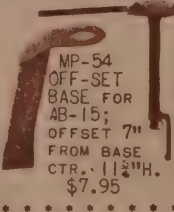
AS-313/ARN-6 LOOP ANTENNA; with motor and autosyn part of radio compass system that tunes from 200-1750 KHZ and operates from 26 volt 400 cycle. ID-91 INDICATOR is used with this system and is shown on page 9 Size 10x11x5; 15 lbs. used $9.95



AS-27A/ARN-5 HORIZONTAL FOLDED DIPOLE as used with RC-103, BC-733, ARN-5 equip. on aircraft; 108-110 Mhz, $10.
AT-2/APN-2 DIPOLE ANTENNA, 150-180 Mhz, $4.
AT-438/GR DIPOLE ANTENNA, 15" folded, takes PL-259 conn.; on insulated mtg. bracket. 8 lbs sh. Unused, $15.

ANTENNA WIRE SOLID COPPER #10 VINLY COVERED, 250FT #4884C $25

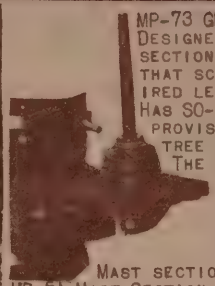




MP-54 OFF-SET BASE FOR AB-15; OFFSET 7" FROM BASE CTR., 11½"H. $7.95

20" DIPOLE w/14" SUPPORT. 230-250 MHz; 50Ω LINE FEED. USES TYPE "N" CONNECTOR. #2A288A-35 $4.95

VIS-O-GLOW NEON LIGHTNING ARRESTORS, #4392, $1.00 EA.



MP-73 GROUND PLANE MOUNTING BASE DESIGNED TO BE USED WITH MAST SECTIONS AB-21,22, MS-116,117 THAT SCREW TOGETHER TO MAKE DESIRED LENGTH FOR FREQ. REQUIRED. HAS SO-239 COAX. RECEPTACLE AND PROVISIONS FOR MOUNTING TO POLE TREE OR CORNER OF BUILDING. THE MOUNTING HOLES FOR THE VERTICLE ANT. AND THE RADIALS ARE 5/16" DIAMETER. SIZE:10x15x6; WT: 10 LBS. PRICE: NEW $9.95

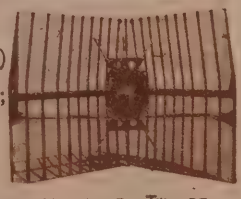
AB-21,22 OR MS-116,117 MAST SECTIONS ARE AVAILABLE NOW!!! MS-51 MAST SECTION SHOWN ELSE WHERE ON THIS PAGE WILL FIT BUT WILL HAVE TO BE FASTENED IN WITH BOLTS AND NUTS TO MAKE A GOOD CONNECTION. THE SAME GOES FOR AN-109 WHIP ANT.

AN-109 WHIP ANTENNA 5 FT. TAPERED 1/4 TO 1/8 w/3" SQ. BASE. $1.50 EA. 4 FOR $5.
AN-119 WHIP ANTENNA 6 FT. TAPERED 1/2 TO 1/8 THREAD 1/2"x20 $1.50 EA. 4 FOR $5.
AB-652 Whip Base f/RT-66-67-68-70 and R-108-109-110: accepts MS-116, $5.00.
AT-272 GOOSENECK BASE 8" USED WITH FLAT ANT. ON PRC SETS. $1.50 EA.
AT-272 FLAT ANTENNA 30" USED WITH ABOVE BASE FOR PRC SETS. $1.50 EA.
MP-74 GOOSENECK BASE FOR MAST SECTION AB-23 OR MS-118, 14" LG. WITH SPADE TYPE BRACKET FOR SIDE MOUNTING. $1.50 4/$5.
M-422 ADAPTER FOR USING MS-116-117-118 OR AB-21-22-23-24 MAST SECTIONS WITH BC-1000 & PRC SERIES SETS IN THE LONG ANTENNA RECEPTACLE, 7½" LG. $1.50EA 4/$5.
FIBERGLASS WHIP ANT. 82" LG. FOR 27 TO 39 MHZ 1" SC. BOTTOM. (NOT MAILABLE) #9735 $5.00
UPM-1 DIPOLE ANTENNA FOR USE IN THE 155 TO 235 AND 460-570 MHZ BANDS. BASE STANDS 2½" HIGH FOR FLAT MOUNTING ALSO HAS ADJUSTABLE BRACKET FOR POLE MOUNTING.
AT-50 FOR USE IN LOW BAND $14.95
AT-51 FOR USE IN HIGH BAND. $14.95
AT-598 ANTENNA TAPERED 30" LG. WITH CAST BASE AND COAX. RECEPTACLE FOR UG-100 A/U CONNECTOR. $1.50 EA. 4/$5.00
MATCHING COAXIAL LINE WITH 2/UG-100A ON 14" OF RG-14 $3.00
AN-20T ANTENNA TELESCOPING 20" EXTENDED, 8½" COLLASPED, CHROME. 50¢ EA. 5/$2.00
GOI=51048 TELESCOPING WHIP ANTENNA, 15" COLLASPED 7' EXTENDED. $1.50 4/$5.

A-62 DUMMY LOAD FOR ANTENNA; USED TO LOAD TRANSMITTERS UP TO 30 WATTS WITHOUT RADIATING FOR USE IN THE FREQUENCY RANGE 21 TO 27.9 MHZ. USED WITH BC-604. SIZE: 3x6; 5LBS. WITH MTG. BRACKET & INSTRUCTIONS. NEW $4.95

210 TO 620 MHZ DIPOLE

AT-880 DIPOLE ANTENNA WITH CORNER REFLECTORS AND TWO FREQUENCY BANDS: 210-420 MHZ (LO) AND 390-620 MHZ (HI). 300 WATTS POWER RATING; LESS THAN 2/1 SWR OVER RANGE. INPUT IMPED: 50 OHMS. ADJUSTABLE ELEMENTS SPREAD FROM 12"L x 7"W TO 21"L x 15"W.

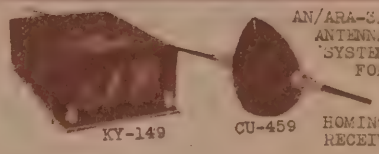


DIPOLE STANDS 14" OF MOUNTING BASE. TWO REFLECTORS ARE AT 45° ANGLE TO DIPOLE, 32" HIGH AND 40" ACROSS. FOLDS TO 32x7x30. MOUNTS ONTO 2" DIA. MAST; 35 LBS. SHIPPABLE VIA BUS OR TRUCK ONLY. USED, $24.95; UNUSED, $35.00

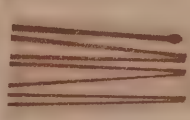
AB-101 MAST SECTIONS FOR ANTENNA SUPPORT. STEEL MAST 2" OD. 5'8" LG. SWAGED END AND LOCKING DEVICE. SOLD ONLY IN SET OF SEVEN WITH CARRY. WEIGHT 100 LBS. PRICE USED $50.00
MX-364 INSULATOR, FITS OVER 1-3/8" DIA. MAST OTHER END 1-3/8" OUTER DIA. $1.95
AB-154 BASE WITH SWIVEL STAKE, 1-3/8" DIA. SLIPS INTO MAST SECTION. $1.95
MX-857 ADAPTER, FITS OVER 1-3/8" DIA. MAST F/USE OF MS-116-117-118 WHIPS. $1.95
MX-GUY ROPES ARE 3/16" NYLON, 800 LB. TEST, W/ADJUSTMENT HARD. INSULATOR & HOOK.
MX-381 GUY 40 ft. with attachments $2.00
MX-382 GUY 31 ft " " $2.00
MX-1469 " 44 ft " " UNUSED 5.00
MX-378 GUY RING FOR FASTENING GUYS AND IS USED BETWEEN THE MAST SECTIONS $0.5C

GP-2 STEEL GUY STAKE, 16¾"Lx¾"DIA. 1-1/8" HEAD, 1-3/8" POINT. 2 LBS. 85¢ EA. 4 FOR $3.

ARA-31 HOMING SYSTEM



For use in the 24 to 49 Mhz FM range. Complete system consists of four AT-624 24" antenna elements, two CU-459 ant. element connectors, a KY-149 keying unit w/mtg. and one SA-474 switch box. BNC connections except for one reverse pole BNC. An/ARA-31 w/manual, new, $50.
AT-624 antenna element, $8.00 each.
CU-459 antenna connector, $5.00 each.
SA-474 switching box, $6.00 each.
KY-149 keying unit, $25.00 each.



AT-271/PRC WHIP ANTENNA, throw out type 8½' 7 sections with spring loaded retainer cable to keep sections together in operating condition. and folds when not in use. 2lbs. used $5.

LM-21 AM LOOP ANTENNA; used with radio compass receiver system in the 200-1500 KHZ band. Has 24 v. 400 cycle motor for rotating loop and autosyn unit to transmitt to I-82 or similar type indicators for direction. 30 lbs used $25

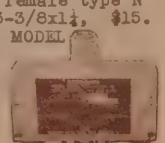
AS-578/ARA ANTENNA for ARC-27,34,55 direction finding homing sets. used $25

ANTENNA CHANGEOVER

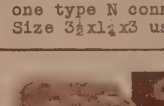
MAGACRAFT #122RX-16; coaxial relay, 12-24 VDC SPDT with auxiliary SPST normally open 10 A. contacts, approx. 100 watts, 50 ohms. Has 2 RCA plugs & one SO-239 connectors. Encased with cover. 2¼x2½x1⅛, 2 lbs. sh. unused $5

ANTENNA Relay; part of 30W 2 meter trans. SPDT with unused contact grounded, 60 vdc 15 ma. 4000 ohm coil. Three BNC connectors chassis, 2x1x2 . unused #259-5165 $7.95 2/$15.00

WESTERN MICROWAVE ICL35A FERRITE ISOLATOR, 1.7 to 1.8 Ghz; 17 db isolation loss, 0.7 db insertion loss. 2 watts ave. Has male and female type N conn. 2x3-3/8x1¼, $15.

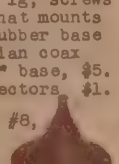


AUTOMATE COXIAL SWITCH, MODEL 94CSA, used with above isolator. Two separate 28 vdc spdt coils, ea. one side norm. gnd. Two female TNC & one type N conn. Size 3½x1¼x3 used $12.95 w/isolator $25



CHOPPER RF CHOPPER USED IN AUTOMATIC DIRECTION FINDING ANTENNAS TO SAMPLE BETWEEN SENSE AND REFERENCE ANTENNA. USES TWO 100 Hz -5% COILS; CAN BE ACTUATED MANUALLY WITH DC VOLTAGES. HAS TWO UG-88 CONNECTORS ON 15" CABLES AND UG-290 BNC OUTPUT CONN. 4-3/8x3½x2; SH WT: 3 LBS. REMOVED FROM EQUIP. #354-1013-00, $2.95

ANTENNA's from CANADA: UHF-type for 243 Mhz approx. 23" lg; screws into hard rubber base that mounts onto a mounting base. Rubber base has provision for Canadian coax fitting. Aerial #9 w/24" base, $5. ZA-3143 COAX, 5' w/connectors $1.



Cone-shaped aerial base #8, hard rubber, 5" dia. X 4" h. With 96" whip antenna. #PC-8-96, $8.50

CABLES

NEW COAXIAL CABLE

NEW MANUFACTURE AND BRANDED WITH STANDARD TYPE NUMBERS TO MIL-R-17A SPECIFICATIONS.

PRICES LISTED FOR LENGTHS INDICATED, IN-BETWEEN LENGTHS USE THE HIGHER PRICE. LESS THAN 100 FEET ADD 10% TO HIGHEST PRICE

COAX RG-#	Ohms	100 feet	500 feet	1000 feet	5000 feet
RG-8/U	52	.22	.21	.20	.20
RG-11/U	75	.20	.19	.18	.18
RG-58/U	53.5	.11	.10	.09	.09
RG-59/U	73	.12	.11	.10	.10

Prices subject to change without notice.

NEW COAXIAL CONNECTORS

SO-239 59¢ ea. 10 or more 55¢ ea.

PL-259 65¢ ea. 10 or more 60¢ ea.

CH-259 75¢ ea. 10 or more 70¢ ea.

PL-258 JUNCTION $1.25 ea. 10 or more $1.10 ea.

#83-876, two screw mount SO-239, 50¢

#83-58FCP, short barrel PL-259 for RG-58, 50¢

UG-536 "N" conn. for RG-58, $1.

COAX CONNECTORS

UG-18	new	$1.00	UG-710	new	$3.00
			UG-909	new	1.00
UG-27	used	1.25	UG-911	new	1.25
UG-27	new	2.00	UG-912	new	2.00
UG-29	new	1.00	UG-913	new	2.00
UG-30	new	1.50	UG-924	new	3.00
UG-36	new	6.00	UG-940	new	2.00
			UG-943	new	3.00
M-359 elbow	used	.40	UG-997	new	4.00
UG-88	USED	.39	UG-1090	USED	1.50
UG-100	USED	.75	UG-1441	USED	3.00
UG-100 PANEL	"	.75	UG-629	NEW	2.50
UG-109	USED	1.00			
UG/DA-113	NEW	5.00	2176	NEW	3.00
UG-160	USED	1.50	C2365-3	NEW	1.50
UG-180	USED	3.00	3649-1	NEW	1.50
UG-181	USED	3.00	6006	NEW	1.00
UG-201	NEW	2.00	6137	NEW	1.50
UG-212	NEW	3.00	6177	NEW	1.50
			6955	NEW	1.50
UG-260	used	.50	8270-1	NEW	3.00
			8842	USED	1.00
UG-273	NEW	1.50	8576	USED	1.00
UG-274	NEW	2.00	9113	NEW	1.50
UG-282	USED	1.25	9192	NEW	1.50
UG-282	NEW	2.00	9196	NEW	4.00
UG-290	USED	.50	9192	USED	1.50
UG-291	NEW	1.00	10442	NEW	1.50
UG-306	USED	2.00	10651	NEW	1.50
UG-567	USED	1.50	15601	NEW	1.50
UG-643	USED	1.00	30231-1	NEW	1.50
UG-535	USED	1.25	30232-1	NEW	1.50
UG-536	NEW	2.00	95712-30369	"	2.00
UG-560	NEW	2.00	18-30-1AS3	"	3.00
UG-573	NEW	2.00	83-877-1050	"	1.50
UG-603	NEW	2.00	10H528	NEW	1.00
UG-636	NEW	2.00	10H702	NEW	1.00
UG-701	NEW	2.50	10H1366	NEW	1.00

COAXIAL CABLE ASSY. REMOVED FROM TEST SETS AND EQUIPMENT. ALL GUARANTEED TO BE USEABLE.

RG-59, MALE/FEMALE "N" CONN. 50' #CG-357, $3.

RG-21 53 OHMS, UG-630 TO UG-626 37' $3.50

RG-14 51 ohms w/UG-100 & UG-707, used 15'/$10

RG-58 w/2 UG-188, 6'. CN-210, USED $2.

RG-26/U 48 OHM 30 FT. w/2-UG-34 CONN. $4.95

RG-22/U 95 OHM 50 FT. NO CONNECTORS $3.00

WIRE AIRCRAFT TYPE WIRE, NYLON INSULATION, BRAID COVERING, 600V. 200 SILVER COATED WIRE/SHIELD

#22 STRANDED 100 FEET $4.50 1000 FEET $35.00

2/22 " " " 6.00 1000 " 50.00

#18 16/30 VINYL COVERED HOOK-UP $2/c $15/M FT

CONTROL CABLE

Stranded tinned-copper conductors, color-coded vinyl insulation. Gray jacket; unshielded. Add 10% to highest price for less than 100 feet.

Type	Length: 100'	500'	1K'	5K'
4-Cond. 18 AWG, $/ft :	.12	.10	.08	--
15-Cond. 24 AWG, " :	.28	.24	.21	.18

TAP SWITCHES

OHMITE 608-4 TANDEM HEAVY DUTY TAP SWITCH, two decks with four taps each rated 300 VAC 100 amps. Shaft 3/8" dia. x 2"; o/a 6" dia. x 7"h. 12 lbs sh. Used, less knob, $16.95

OHMITE 412-5 TAP SWITCH, 300 VAC 50 amps; 150 V. between taps. Five taps in 120 full rotation. ¼" dia. shaft. Overall: 4½" dia. x 2⅝"h. 4 lbs sh. Used, less knob, $6.95

OTHER OHMITE SWITCHES AVAILABLE. WRITE.

TAP SWITCHES, 120/240 VAC 10/5 AMP UNLESS OTHERWISE NOTED. 2⅝" DIA. SHPG. WT: 1 LB. USED.

#AHH-23-10; TWO DECK, THREE POSITION. WITH KNOB, $1.95

#AHH-230; 2-DECK, 3-POS. AND OFF; CONT. TURN. 15/10 AMP. L/KNOB, SHFT 3/16" D. x ⅝", $2.25

#LOV-230; LIKE AHH-230, BUT SHFT 1½" L. $2.50

#AHH-33-10; 3-DECK, 3-POS., W/KNOB, $2.75

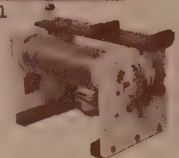
#LOV-330; SAME AS LOV-230, BUT 3-DECK, $2.95

#AHH-63-10; 6-DECK, 3-POS., W/KNOB, $3.95

AHH-2W-3W TAP SWITCH; 3-POSITION WITH OFF. TWO-WIRE RATING: 120/240 VAC 30/15 AMP; THREE-WIRE: 15/15 AMPS. CASE SIZE: 1-7/8x 1⅝x 1⅛; WT: 1 LB. USED, WITH KNOB, $2.95

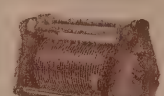
ROTARY INDUCTORS

ROTARY INDUCTOR, 103 uHY; 61 turns of #10 tinned-copper wire form 8⅝"L x 3-3/8" dia coil. Sliding contactor type; with coupler for ¼" dia. shaft. Overall size: 8x8x14; Shpg. wt: 23 lbs. #939-L6-LG, used, $25.00



ROLLER INDUCTOR, 5.5 uHY; 11⅛ turns #12 T-C wire in 1⅝"L x 2" dia. coil. Roller contacts; less coupler. Shaft: 3/8"L x ¼" dia. Overall size: 3x4⅝x4½; Shpg. wt: 8 lbs. #939-11.5-S Used, $10.95

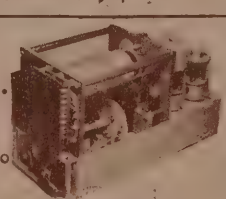
ROLLER INDUCTOR, 1.3 uHY; 5¼ turns #12 T-C wire in 1-1/8"L x 2" dia. coil. Roller contacts; less coupler. 3/8"L x ¼" dia. shaft. Overall: 3x5x4; Shpg. wt: 8 lbs. #939-I5-SM, used, $6.95



ROTARY INDUCTANCE TUNER COIL THIRTY TURNS OF TINNED COPPER WIRE AROUND A 2" DIA. x 3" DIA. ISOLANTITE FORM; 23 U-HY 100 WATTS APPROX. ¼" DIA. SHAFT FOR COUPLING. SIZE: 5x3x3½; SHPG. WT: 3 LBS. #AC55471, $10.

CERAMIC FLEXIBLE COUPLINGS, see page 29

100-TURN COUNTER WITH SPIN KNOB. THREE DIGITS: 000 TO 999. HAS COUPLER FOR ¼" DIA. SHAFT; NO FRONT MOUNTING PLATE. OVERALL LENGTH: 6½". DEPTH REQUIRED BEHIND YOUR PANEL: 4½". 2 LBS. SH. #1323-COUN, $5.95



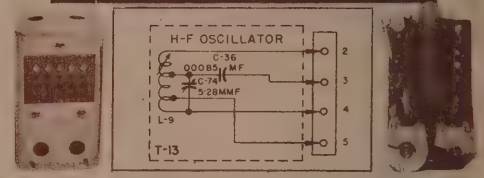
618S-1 POWER AMPLIFIER from Collins 2-25 Mhz 100 W transceiver. Has 12.3 uHY roller inductor. Coil 3¾x1¼" dia. has 27 turns #14 silver-tinned wire; rotated by 115 VAC 400 Hz selsyn. Bands 2 to 3.75, 3.75-7.25, 7.25-14.25, and 14.25-25 Mhz switched by connection of 9 doorknob capacitors. Big silver contacts on ceramic switch. Uses 3/6159 tubes. 11x5x6, 10 lbs sh. #547-5496/618S-1, less tubes, $25. With tubes $36. Mating connectors, 2 required, $2.50 each.

XMITTING CAPACITORS

MICA TRANSMITTING CAPACITORS, G-SERIES TYPE IN USED OR UNUSED CONDITION DEPENDING UPON A VALUE'S AVAILABILITY. VARIOUS MANUFACTURERS. SATISFACTION GUARANTEED OR PURCHASE PRICE WILL BE REFUNDED. OTHER VALUES IN STOCK. WRITE.

TYPE	KV	MFD	KV	MFD
G1, 2¼"h x 2⅜" dia., wt: 3 lbs.				$12.50 ea.
	1.0	0.04	6.0	0.0001
	1.5	0.08	6.0	0.00024
	3.0	0.02	6.0	0.0006
	4.0	0.0062	6.0	0.0047
	5.0	0.00015	10.0	0.00015
	5.0	0.01		
G2, 3½"h x 3" dia., wt: 5 lbs.				$16.50 ea.
	2.0	0.03	10.0	0.0002
	2.0	0.045	10.0	0.00057
	10.0	0.00015	15.0	0.0002
G3, 5"h x 4" dia., wt: 8 lbs.				$27.50 ea.
	2.5	0.15	14.0	0.002 pyrex
	5.0	0.02	20.0	0.000051
	6.0	0.006	20.0	0.00015
G4, 5"h x 5⅛" dia., wt: 12 lbs.				$39.50 ea.
	4.0	0.084	8.0	0.0012
	4.0	0.1	10.0	0.02
	6.0	0.024	15.0	0.01
	6.0	0.0373		
G5, 10"h x 6½" dia. wt: 22 lbs.				$59.50 ea.
	10.0	0.02	35.0	0.0003
	15.0	0.0068	35.0	0.0004
	15.0	0.0082	35.0	0.0005
	15.0	0.01	35.0	0.0015

NATIONAL HRO COILS



INDIVIDUAL COILS for National HRO-5 receiver coil sets; replace faulty units or build your own coil racks. Please order by number. National mfg., unused, $2.50 ea.; 4 for $8.

KHZ	1st RF	2nd RF	MIXER	OSC.
50-100	#E112	E113/B143	E114/B144	—
100-200	—	E109/B139	B140	—
175-400	—	—	B112	B113
480-900	—	—	—	B117
900-2000	B118	B119	B120	—
2-4 Mhz	—	B123	—	—
4-7 "	B126	B127	B128	B129
7-14 "	B130	B131	—	B133/E87
14-30 "	B134/E80	—	B136	B137

BC-610

BC-610 TRANSMITTER PLUG-IN TUNING UNITS and COILS. Give stock #BC-610/unit #. 4 lbs sh.

#	Mhz	Price	#	Mhz	Price
TU-47	2.0-2.5	$7.50	TU-51	5.0-6,35	$7.50
TU-48	2.5-3.2	$7.50	TU-52	6.35-8.0	$7.50
TU-49	3.2-4.0	$7.50	TU-53	8.0-12.0	$3.95
TU-50	4.0-5.0	$7.50	TU-54	12-18	$12.00

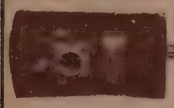
C-389C	4.5-5.7	WVL $6.	C-447B	8-11	WVL $6.
C-389A	" "	NVL $4.	C-448B	11-14	" $6.
C-390C	5.7-8.0	WVL $6.	C-454	1.5-2.0	NVL $8.
C-447	8.0-11.0	NVL $4.			

OSCILLATOR AMPLIFIER ASSEMBLY; WITH 726B KLYSTRON AND 2/717A TUBES THAT WERE DESIGNED TO BE USED IN 2800-3000 MHZ RANGE. WESTERN ELECTRIC ASSY. #D-150815 SIZE: 6x5½x4; SHPG. WT: 7 LBS. PRICE: UNUSED, $12.95

PARTS BONANZA

TU-10 TUNING UNIT for the BC-191/375 Xmitters is a bonanza of hard-to-find radio parts like M-O and P-A grid coils and inductance tanks; 2/0.0004 mfd. 5 Kv mica caps; variable capacitors with 0.09" air gap, one each 19-116 pf, 8-26 pf, and 14-62 pf; 2½" dia. vernier dial w/ ceramic coupling; right angle drive; and a 6-position antenna coupling switch. Size: 9x17x7½, 18 lbs. sh wt. Unused, $9.95

HAND-CRANK MAGNETO GENERATORS OUTPUT APPROX. 100 VOLTS DEPENDING ON SPEED OF ROTATION. USED TO RING BELLS IN TELEPHONE LINES. CAN BE USED FOR WORM SHOCKER AND OTHER EXPERIMENT. SIZE 4x2½ WT: 1LB. COND. USED G-25 $5.95 G-42 $7.95

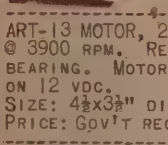


DC AIRCRAFT MOTOR; GE#5BA-50LJ29, 0.4 HP, 3000 RPM. ARMATURE: 60v. @ 2.3 AMPS FIELD: 27 VOLTS @ 6.5 AMPS DUTY: 10 MIN. @ FULL RATING. SHAFT IS CORKSCREW-TYPE 5/8 INCH DIA. FLANGE MTG. 3½ CNTS. BODY SIZE: 6½x4½x4½ WT: 11 LBS. $4.95

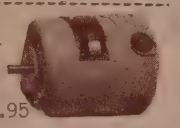
VARIABLE SPEED DRIVE CONTROL USED WITH MOTOR AM No. E-85-132. GE#3S750RJ750A1, FIELD 100 VDC ARM., 140 VDC., 2.6 A INPUT 230 V. 50/60 HZ. 5 LBS GE#3S7505RJ750A1 NEW $25.00

JOHN OSTER TYPE C-24A-1B KS-5829 SERIES MOTOR; 27 VDC, 0.01 HP, 7000 RPM. SIZE: 3x2 DIA.; SHAFT: 1x⅛ DIA. WT: 1 LB. UNUSED, $1.25

GE#5PR56HCM 110 v. 2.3 A. 8000 RPM. INT. 1/10 H.P. 50/60 CYC. REV. SIZE 3½x5, SHAFT 3/16x1 STK.#3H3000B2 5 LBS. N.$12.95

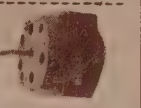


DICTAPHONE #7CB-2P; 115 v. 60 c 1/60 HP. 1740 RPM, SIZE 3x3, SHAFT EA. END ¼x⅜, 2LB.N $9.95



ART-13 MOTOR, 28 VDC. .05 HP @ 3900 RPM. REVERSIBLE; BALL BEARING. MOTOR WILL OPERATE ON 12 VDC. SIZE: 4½x3⅜" DIA. WT: 1½ LB. PRICE: GOV'T RECONDITIONED $2.95

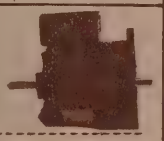
DELCO MOTOR A7155 27.5 VDC 2.4 AMP. 1/30 HP 3600 RPM. SIZE: 5½x2½ DIA. SHAFT 1x¼ DIA. WT: 1½ LB. UNUSED $2.95



TG-10 KEYER MOTOR, 115v. 60 HZ. 1550 RPM WITH 1-7/8" SHAFT REMOVED FROM TG-10 EQUIPMENT. SIZE: 3½x3½x4½ WT: 3 LBS. #3H3000-3 USED $2.95

28 VDC 12000 RPM MOTOR f/ARC-3 set. Removable worm gear; shaft 1"x3/16" dia. O/A 3" x 1⅜" dia. #697-2644, $5.95

HAND CRANK GENERATOR AS USED IN GIESON GIRL RESCUE TRANSMITTERS OUTPUT 28 VDC @ 175 MA & 300 VD @ 30 MA. WHEN CRANKED AT 60 RPM GEAR RATIO APPRX. 72 TO 1. NO LEGS SEAT OR MOUNTING. #GEN/CRT-3 RE-MOVED $10.00

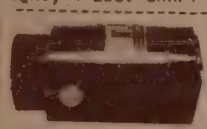


HYSTERESIS SYNCHRONOUS MOTOR 115v 60HZ, 1800RPM, CONT. 1/8HP FL. MTG. 7", SHAFT 2"/1"x⅜ DIA. SIZE 6x5, CAP. ST. USED 25LB. BODINE#NCH-54 OR EQUAL $25.00

RECORDER MOTOR, 115 v. 60 CYCLE CAP. REQ. 4 MFD. INT. DUTY. 900 & 1800 RPM. 3.5/2.5 HP OZ. IN. MOTOR MOUNTED ON IN CLINE BASE THAT CAN BE REMOVED FOR FOR FLAT MOUNT. ¼" SHAFT AVAILABLE WITH OR WITHOUT CONE. MOTOR SIZE 4½x3½. REVERSIBLE DUAL SPEED. #HBC-2918-2N; 6 LBS. PRICES: WITH CONE $5.95

HEINZ 1160039-C57; 115 v. 60 CYC. .7 A. 3500RPM MO. SIZE 3x3¼, SHAFT ¼x3; 3 LB. CONT. N.$6.95

EAD/WE KS-5718; 115 v. .27 A. 50/60 CYC. CAP. REQ. 4 MFD. DUAL SPEED 2750/3300 RPM. MO SIZE 3½x3, 4 LBS. SHAFT 5/16x1, 1/50 HP. N.$14.95



WE KS-5871-L01 MOTOR, 28.8 VDC @ 3.3 A. 5600 RPM, 0.04 HP SERIES WOUND. CONTINUOUS DUTY; REVERSIBLE WITH SPEED GOVERNOR. (MAY ALSO OPERATE AT 12 VDC AT REDUCED SPEED. SHAFT ¼x½, OVERALL SIZE: 6½x3¼ DIA. SHPG. WT: 7 LBS. USED $7.95

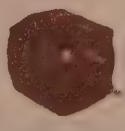
MOTOR DRIVE ASSEMBLY f/vacuum variable capacitor. Uses 1/100 HP 15000 RPM 28 VDC motor (2"Lx1¼" dia.) Has worm drive from motor to a series of gears geared to a 2" lever arm with ¾" vertical motion. Also has limit switches and Cinch DA-15 15-pin connector. O/A size: 8x 3½x2½, 3 lbs sh. #DRV501/CU991, used, $7.95

PD-5/ARA-19 TUNING DRIVE, p/o ARN-6 remote tuning system. Uses 27 VDC 250 RPM Delco PM motor. Also 10-turn 1000 ohm linear pot driven by gear from the motor. Output with female MC-124 spline shaft. Motor shaft 3/8" long X 1/8" dia. O/A 5½x4½x2¼, 4 lbs sh. Used, $9.95 Mating conn. $2.50; MC-124 spline, 20", $1.50

28 VOLT MOTOR, 135 RPM; HP: 1 OZ/IN. WITH 5/16x¾" DIA. GEARED SHAFT; HAS 4 SOLDER TERMINALS ON 1x1¼x⅝ BLOCK. MOTOR SIZE: 5x1-7/8 DIA. WT: 1 LB. GE#5BA10FJ444 USED, $7.95

ARN-6 BANDSWITCH GEAR AND MOTOR ASSEMBLY, 28 VDC. BENDIX M-4A MOTOR. ASSY. SIZE: 1½x⅝x3½; MOTOR SIZE: 1¾x2x1⅛ WT: 3 LBS. $2.95

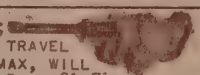
B-701/R-107 MOTOR FROM AS-313/ARN-6 LOOP ANTENNA. OPERATES FROM 26 VOLT 400 HZ @ 2750 RPM. WILL OPERATE FROM 12 VDC 60 HZ. SIZE: 3x2⅝x3 WITH 3/8" GEAR. WT: 2 LB. PRICE: USED $3.95



HOLTZER-CABOT #1981-HC 120 VAC 400 Hz GEAR MOTOR, 6 RPM with 40 oz.-in. torque. Shaft ⅛" long x 0.2" dia. Overall size: 2⅛x2½x3, 3 lbs sh. #1981-HC, unused $14.95

DELCO PM MOTOR 5067125, 27.5 VDC, 10,000 RPM. TWO GOVERNORS, TAPERED SHAFT 3/16x1/16" DIA. MOTOR SIZE: 3x1x1 WT: 5 LBS. $3.95

MOTOR W/RIGHT ANGLE SHAFT & MOUNT, 1/8 HP 230 RPM. SHAFT SIZE: 5/16" LONG X 3/8" DIA. CLEARANCE BETWEEN SHAFT AND MOUNTING ABOUT 1" REQUIRES 115 VAC 60 HZ @ 1.9 AMPS. SIZE: 7x3⅜ DIA. WT: 15 LBS. ROBBINS & MEYERS #KL-H330, $12.95



D.C. LINEAR ACTUATOR UNIT; ARM TRAVELS 2", AT END OF TRAVEL ARM ROTATES, 24VDC, 1AMP MAX, WILL OPERATE AT LOWER VOLTAGE. SIZE 3½x7½; 2 LBS. P.M. TYPE MOTOR ASSY. #554125 USED $9.95

D.C. LINEAR ACTUATOR; 26 VDC 2A. 400 RPM. 45 OZ IN. TORQUE, APPROX. 2" ARM TRAVEL ON THREADED SHAFT, REQUIRES LIMIT SWITCHES, HAS NO PROVISION FOR OVER TRAVEL. HAS BRAKE FOR FAST STOP. SIZE 5x1⅛ IN. GE#5BA10FJ450 USED $8.95

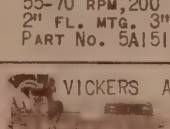
JOHN OSTER 10 CFM BLOWER WITH MOTOR C2BP-1A. 27.5 VDC 0.01 HP, 6000 RPM. SIZE: 3⅜x3½x4⅜ WT: 4 LBS. USED $3.95

28 VDC BLOWER, 6200 RPM WITH THE OPTION OF EITHER A SHUNT MOTOR TYPE OR PM MOTOR. SIZE: 3x2⅝x3 SHPG. WT: 4 LBS.

BLOWER WITH PM MOTOR $6.95

D.C. MOTOR & GEAR REDUCER, 24-29VDC NO LOAD SPEED 225-275 RPM, 60 OZ. IN MAX. INTER. TORQUE, 2" FL. MTG. 3/16" SHAFT, MOTOR 2¼" LG. REVERSI Part No. C-5A-1049 USED $5.95

DCC. MOTOR & GEAR REDUCER, 26.5 VDC, NO LOAD 55-70 RPM, 200 OZ. IN. MAX. INTMT. TORQUE. 2" FL. MTG. 3" LG. ¼" SHAFT, REVERSIABLE. Part No. 5A1514 USED $6.95



VICKERS AR-10007G 115 VOLT 50/60 CYCLE SELENOID OPERATED AIR VALVE ONE INLET ACTUATES TUBE PLUNGER 1" STROKE. USED SIZE: 6x4½x2½; 5 LBS. $18.00

AY-201 SYNCHRO CONTROL TRANSFORMER, ROTOR 1 PHASE 26 V., STATOR 11.8 V. 400 CYCLE. SIZE: 1⅛x1½; SHAFT 1/16x⅛. VARIOUS MANUFACTURE PRICE: REMOVED FROM EQUIP. $4.00

AY-165 AUTOSYN DIFFERENTIAL, 400 CYCLE, 11.8 V. 3 PHASE ONE TO ONE RATIO. BENDIX & OTHERS. SIZE: 1⅛x1½. PRICE: REMOVED FROM EQUIP. $2.95
AY-231 AND AY-232 SAME SPECS. AS ABOVE.

AY-123 AUTOSYN RESOLVERS; 400 CYCLE, ROTOR 2 PHASE 26 VOLT, STATOR 2 PHASE 11.8 VOLT. PRICE:

AY-177-B1 AUTOSYN DIFFERENTIAL 400 CYCLE 3 PHASE 11.8 V. TO 3 PHASE RATIO 1-1 SIZE: 1⅛x1½; SHAFT ⅛x1/16 PRICE: NEW $2.95

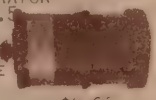
SYNCHRO GENERATOR SPERRY#R5663642, MFG. BY BENDIX. SIMILAR TO BENDIX AY-401-2, OPERATES FROM 26 VOLTS 400 CYCLE SINGLE PHASE WHEN USED IN CONJUCTION WITH AY-201 CONTROL TRANS. IT WILL OPERATE UP TO 20 UNITS. SIZE: 2⅝x2½; WT: 12 OZ. PRICE: NEW $2.95

SPERRY RAY-248, RCY-250, RBX-251, 662428, 662-426, 652174 AND OTHERS. PRICE: RE-MOVED $2.95

HUGHES RESOLVER 810229, 810228, 810227 RM $2.95
KETAY TRANSFORMER K-101300-20 RE-MOVED $2.95

23CX4	TRANSMIT. 115 v.	400	CYC USED	$ 8.95
23TX4	"	"	" " "	8.95
23CT4	CON/TRANS. "	400	" "	8.95
23RS4A	RESOLVER 90/90v	"	" "	8.95
23CT6	TRANSFORMER 90/1v	PER. DEG.	"60CY	8.95

2JIHI SELSYN DIFFERENTIAL GENERATOR NORMALLY OPERATES FROM 57.5/57.5 VOLTS 400 CYCLE BUT WILL OPERATE FROM 26 VOLT 60 CYCLE AS SHOWN IN WIRING DIAGRAM ON PAGE 31. SIZE: 2¼x4½; WT: 8oz. PRICE WITH CONNECTOR CAPS.....$8.95



DAYSTROM TRANSCOIL CONTROL MOTOR 115 VOLT 60 CYCLE, 1 PHASE, 2 PHASE 200 VOLT CT., 3200 RPM. SIZE: 2¼x2, SHAFT SIZE: 1/16x⅛ WITH GEAR. REMOVED FROM NEW EQUIPMENT. PRICE: $5.00

GE SELSYN CONTROL TRANSFORMER 57.5/57.5 VOLTS 400 CYCLE. (WILL OPERATE FROM 26 VOLTS 60 CYCLE) SIZE: 2x2; 1 LB. PRICE NEW $3.95

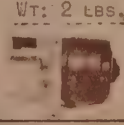
MAGNESYN TESTER

MAGNESYN FIELD TESTER, Type B-1 mfgd. by Aerosmith Instrument for 26 V. 400 Hz magnesyns. Has calibration charts for magnesyn usages: manifold pressure, torque pressure transmitters, torque pressure, fuel, oil, burner or water pressure, liquid level, and fuel flow. 3" indicator for setting electrical zero (EZ) and switch. Also short cable with male and female 4-pin connectors. Size: 6x10½x5¾, 8 lbs. sh. Unused, not checked, $25.00

LINEAR ACTUATOR, STAT. 200, TENS. 40, COMP. 40. ARM TRAVEL 5/16". MOTOR 115v. 400 HZ, 1600 RPM. DUTY 1/10, 0.04 HP. TORQUE: 6.7 IN-OZ. SIZE: 5x5x3¼ WT: 5 LB. AIRSEARCH#34930 USED $3.95

LINEAR ACTUATOR, STAT. 200, TENS 75-100, COMP. 75-100. ARM TRAVEL ⅝". MOTOR 115v. 400 HZ., 0.025 HP 6500 RPM. DUTY 1/10, TORQUE: 3.9 IN-OZ. SIZE: 5x8½x4¼ WT: 5LB AIRSEARCH#3D146-120 USED $3.95

RATCHET MOTOR, 24 VDC 60 RPM CONTINUOUS. ALSO THREE POSITION STOP. BAND SWITCH ASSEMBLY AS USED IN R-5/ARN-7 COMPASS RECEIVER. UNIT WILL ALSO OPERATE FROM 18 TO 24 VDC. SIZE: 3x4x1⅛ WT: 2 LBS. #609-ARN-7 $1.25



REDMOND BLOWER MOTOR: 24 VOLT DC 6000 RPM MOTOR .96 AMPS. OVERALL SIZE 4½x3⅜x3⅜; WT: 2LBS. #451-1085 UNUSED $4.95

400 WATT TRANSMITTER

T-631/GRC-14 TRANSMITTER, 2 TO 20 MHZ 400 WATTS PEAK OUTPUT, 100 WATTS NOMINAL CARRIER. EMPLOYS DECADE TYPE TUNING IN 100 Hz STEPS: WITH BANDS: (2-3), (3-6), (6-10), AND (10-20 MHZ) TRANSMITS AM PHONE, CW, OR FSK. HAS AFC OR MANUALLY ADJUSTED VFO. FREQUENCY SHIFT OF ±500 Hz. METER INDICATES FSK SYNCHRONIZATION. ALSO METERING FOR RF LINE AND MANUAL TUNE. INPUT IMPEDANCE: 100 OHMS (MIC) OR 600 OHMS (LINE). OUTPUT IMPED: MATCHED OR 50 OHMS WITH RF TUNER BYPASSED. WITH 28 TUBES INCLUDING THREE 4X250FT's IN THE POWER AMP.

SIZE: 13¾x29x17½; 230 LBS. SH. 157 LBS. NET. SEPARATE POWER SUPPLY PP-1711 SUPPLIES VOLTAGES FOR T-631 FROM 115 VAC 60 Hz OR 26 VDC AND 24 VAC. ALSO 115 VDC TTY LOOP OUTPUT. PP-1711 SIZE: 10x29x17½; 310 LBS. SH. USED. PRICE: T-631 XMITTER & PP-1711/GRC-14, $250.

T-195/GRC-19 TRANSMITTER, 1.5 TO 20 MHZ IN TEN BANDS; TRANSMITS CW, VOICE, OR FSK. MANUAL OR AUTOMATIC TUNING. POWER OUTPUT: 100 WATTS (1.5-12 MHZ), 90 WATTS (12-16 MHZ), OR 80 WATTS (16-20 MHZ). ANTENNA INPUT: 50 OHMS. AUDIO: 600 OHMS. METERS FOR PA GRID AND CATHODE CURRENTS, BATTERY VOLTAGE, AND MODULATION LEVEL WITH 22 TUBES INCLUDING TWO 4X150D's. REQUIRES 22-30 VDC 42 AMPS (9 A STANDBY). 11⅛x22x14½; 150 LBS. SH. 122 LBS. NET. USED, REPARABLE, $125. T-195B/GRC, P.U.R.

R-392/URR RECEIVER, COMPANION TO THE T-195, 0.5-32 MHZ IN 1 KHZ STEPS ON COUNTER DIAL. 24 VDC 3 AMPS REQUIRED. P.U.R.

MT-851 BASE FOR T-195 AND R-392, 60 LBS. $10.
T-195 BATTERY CABLE WITH PLUG, $4.95
T-195/GRC-19 MANUAL, $7.50
R-392/URR MANUAL, REPRODUCTION, $10.00
AN/GRC-19 OPERATOR'S MANUAL, $3.00
AN/GRC-19 MANUAL, $10.00

F-237/GRC BAND PASS FILTER 54-70.9 MHZ, CONTINUOUS TUNING 250 KHZ BANDWITH @ 3 DB, 4.5 MHZ @ 40 DB. IN-OUT 50 OHMS IMP. REDUCES CROSS TALK SIZE: 11x11½x5; WT: 15 LBS. UNUSED $19.95

38 TO 54 MHZ RECEIVER

R-110 RECEIVER 38 TO 54 MHZ FM CONTINUOISLY TUNEABLE, VARIABL SQUELCH AND AUDIO, OUTPUT IMPEDANCE 600 OHMS. 4.3 MHZ. I.F. WITH TUBES 3/1U4,2/1L4,1A3,2/3A5,1S5,2/3Q4,2/6AK5 & 0B2. VOLTAGES REQ. 135 VDC @ 70 MA. AND 6.3 VDC 2 AMPS.
SIZE: 9x13x7½; WT: 32 LBS. USED $49.50

R-108 RECEIVER, SAME AS R-110 ABOVE EXCEPT 20-28 MHZ. USED $29.95

R-109 RECEIVER, SAME AS R-110 ABOVE EXCEPT 27-39 MHZ. USED $39.95

PP-282 POWER SUPPLY 24 VDC FOR R-108-109-110 RECEIVERS. MOUNTS INSIDE REC. USED $5.95

SHOCKED-MOUNTINGS FOR GRC SERIES RADIO SETS. ALL HAVE APPROPRIATE CABLES & CONNECTORS THAT GO FROM THE MTG. TO THE SET & BATTERY, BUT THEY DO NOT HAVE JUMPER CABLE UNIT-UNIT.
MT-297/U HOLDS R/T,PS,REC.,RT-70,AM-65,C434
SIZE: 33½x13½x4¾; WT: 75 LBS. USED $25.00
MT-298/U HOLDS TWO (2) R/T & TWO(2) PS.
SIZE: 37½x13½x4¾; WT: 85 LBS. USED $20.00
MT-299/U HOLDS ONE RT-66,67,OR 68 & ONE PS
SIZE: 18½x13½x4; WT: 50 LBS. USED $25.00
MT-300/U HOLDS (1) RT-70 & AM-65(PIGGYBACK)
SIZE: 8½x13x3¾; WT: 25 LBS. USED $20.00
MT-791/U NO CABLES, FOR SINGLE UNITS SUCH AS REC. MD. CV. GSA. PP. ETC.
SIZE: 8½x13x3¾; WT: 18 LBS. USED $15.00

RECEIVER-TRANSMITTER

RT-68/GRC RECEIVER -TRANSMITTER, 38 TO 54.9 MHZ RANGE CONTINUOUSLY TUNEABLE OR 100 KHZ-STEP DETENT CHANNELS OR TWO PRESET CHANNELS. RECEIVES AND TRANSMITS BOTH VOICE AND 1600 HZ RINGING FM SIGNALS. THE OVERALL COMMUNICATION RANGE IS FROM 10 TO 15 MILES. THE RECEIVER CIRCUIT IS A DUAL-CONVERSION SUPERHETERODYNE TYPE WITH THE 1ST IF VARIABLE FROM 4.45 TO 5.45 MHZ AND THE 2ND IF FIXED AT 1.4 MHZ. THE RECEIVER HAS A VARIABLE SQUELCH CONTROL AND A 600 OHM OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT USES A CRYSTAL-CONTROLLED OSCILLATOR AND OSCILLATOR POWER AMP AND PUTS OUT 2 WATTS ON LOW POWER VOLTAGE OR 16 WATTS ON HIGH POWER VOLTAGES SUPPLIED FROM THE POWER SUPPLY SOLD SEPARATELY. THE RT-68 ALSO PROVIDES A METER AND TEST SWITCH TO MONITOR TRANSMITTER POWER OUTPUT FILAMENTS AND THE 90 VOLT INPUT. WITH TUBES 4/1U4, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3/3A5, 2/3B4, 3A4, 6AK5 AND 2E24.
SIZE: 9x13x11½ WT: 42 LBS. USED $75.00

RT-66/GRC RECEIVER-TRANSMITTER SAME AS RT-68 ABOVE EXCEPT 20-27.9 MHZ RANGE. USED $39.50

RT-67/GRC REC-TRANS. SAME AS RT-68 EXCEPT 27-38.9 MHZ RANGE. REPARABLE $49.50

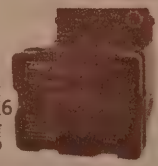
PP-112/GRC 24 VOLT POWER SUPPLY FOR THE RT-66, 67 AND 68 SERIES RECEIVER-TRANSMITTERS. THIS UNIT SUPPLIES ALL THE NECESSARY VOLTAGES FOR THE RECEIVER AND TRANSMITTER CIRCUITS. INCLUDES LOW AND HIGH POWER SWITCH FOR THE TRANSMITTER SECTION.
SIZE: 9x13x7½ WT: 38 LBS. USED $25.00

PRC-10 RECEIVER-XMITTER

RT-176/PRC-10 RADIO RECEIVER-TRANSMITTER; PORTABLE UNIT OPERATING FROM 38 TO 54.9 MHZ FM VOICE COMMUNICATIONS. THE RECEIVER SECTION HAS AN IF OF 4.3 MHZ AND AN AUDIO OUTPUT IMPED. OF 600 OHMS. TRANSMITTER OUTPUT IS 0.9 WATTS WITH A NORMAL RANGE OF ABOUT FIVE MILES. MICROPHONE INPUT IMPED. 150 OHMS. BOTH RECEIVER AND TRANSMITTER SECTIONS ARE CONTINUOUSLY TUNEABLE. WITH CONTROLS FOR VOLUME, TUNING, SQUELCH, POINTER ADJUST AND DIAL LOCK. CONNECTOR FOR EXTERNAL SPEAKER. WITH TUBES 9/5678, 2/5672, 3/5676, 1AD4 AND 5A6. POWER REQUIRED: 135 VDC, 67 VDC AND 1½ VDC. LESS BATTERY CASE. ACCESSORIES LISTED ELSEWHERE. SIZE: 9½x3x10½ WT: 9 LBS.
RT-176/PRC-10 USED $29.50

RT-174/PRC-8, SAME AS PRC-10 EXCEPT 20.0 TO 27.9 MHZ. USED-COMPLETE, NOT CHECKED, $30.

RT-175/PRC-9, SAME AS PRC-10, EXCEPT 27.0 TO 38.9 MHZ. USED, COMPLETE, NOT CHECKED, $35.



AM-598 AMPLIFIER-POWER SUPPLY, USED WITH PRC-8,-9,-10 WHICH PLUGS INTO TOP. FUNCTIONS AS AN AUDIO AMPLIFIER AND ALLOWS FOR 24 VDC OPERATION FOR THESE TRANSCEIVERS. WITH TUBES 2/26E6 2/12AT7, 26Z5 AND 0C3. 11⅛x11⅛x10½; 38 LBS. SH. USED, $24.95

ACCESSORIES

BATTERY CASE CY-744/PRC .....Used $3.00
AT-272A gooseneck antenna base, unused $1.50
AT-272 ribbon antenna section....Used $1.50
SHOCKMOUNT for AM-598.....Used $5.00
AT-271/PRC whip ant. 7-section, 8', $4.95
M-29/U MICROPHONE w/UG-77 plug...Used $3.95
H-33/PT HANDSET w/UG-77 plug as used with various GRC/VRC equipment.....Used $5.95
LS-166/U LOUDSPEAKER w/UG-77.....Used $9.95
GRC/VRC CONNECTORS, specify type and what equipment used, $3 each w/set purchase.
CX-1213 CONNECTOR ASSY. f/RT70 to AM65, $6.
CX-1211 CONN. ASSY. f/RT66-7-8 to PP112, $6.
Connector assy. sold only with set purchase.

PRC-6 WALKIE-TALKIE

RT-196/PRC-6 FM TRANSCEIVER, single channel crystal-controlled in the 47 to 55.4 Mhz range. Range: approx. 1 mile depending on terrain and conditions. Handheld unit has push-to-talk switch, volume control, ribbon antenna, carrying strap, and provision for H-33/PT handset. Uses type CR-23 crystal (not included or available). With tubes 6/5678, 3B4, 3/5672, 2/5676, and 2G21. Requires 1.5, 45, and 90 VDC. 15x5x4½, 6 lbs sh. Used, $18.95; MANUAL, $7.50
BA-270 BATTERY for PRC-6: Checked, 8 hour life, $8. Less than 8 hr, $4. 1-cell dead $2

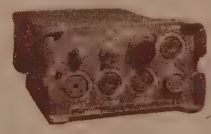
ID-292/PRC-6 CHANNEL ALIGNMENT INDICATOR, plugs into RT-196 and indicates relative level voltages for B+ filament, osc. injection, limiter, discriminator output, and P-A grid. Also P-A current and calibrate adjust. Unit is basic VTVM with 1¾" sq. FS=500 ua-meter and 5678 tube. Power from set under test. ID-292, unused w/manual, spare 5678, $22.95

GRC/PRC BATTERY TEST

AN/PSM-13 BATTERY TEST SET; DESIGNED TO CHECK GRC AND PRC-TYPE BATTERY PACKS INCLUDING BA-270, -279, -376, -377, -386/PRC-25, -398/PRC-25, -399, AND -505. METER INDICATES BAD-GOOD (FS=1 MA). WITH ADAPTERS U-240, -241, -242, -297, -314, -315, -346 AND CANVAS CASE. SHPG. WT: 7 LBS.
PRICE: USED, EXCELLENT, $24.95

ME-61/GRC FIELD STRENGTH METER 1.4 TO 24 MHZ IN THREE RANGES. WITH VARIABLE TUNING, SENSITIVITY CONTROL, 1¾" SQUARE METER, PHONE JACK AND ANTENNA.
SIZE: 5x5x4½ WT: 5 LBS.
UNUSED, $24.95

RT-70 RECEIVER-TRANSMITTER 47 TO 58.4 MHZ FM VOICE COMMUNICATIONS. FEATURES CONTINUOUS TUNING OR TWO PRE-SET CHANNELS AND PUSH-TO-TALK TRANSMISSION. THE RECEIVER CIRCUIT IS THE DUAL CONVERSION TYPE WITH THE 1ST IF IF MHZ AND THE 2ND IF 1.4 MHZ. WITH VARIABLE SQUELCH CONTROL. 600 OHM AUDIO OUTPUT IMPEDANCE. THE TRANSMITTER CIRCUIT HAS A 500 MW OUTPUT AND AN AUDIO INPUT IMPED. OF 150 OHMS. POWER REQUIRED: 90 VDC @ 80 MA, 6.3 @ 360 MA AND 6.3 @ 160 MA. WITH TUBES: 6/1U4, 3/1L4, 2/1R5, 1S5, 1AE4, 4/3Q4, 3A5, AND 3B4. RELATED ACCESSORY EQUIPMENT LISTED ELSEWHERE.
SIZE: 4⅝x13x8 WT: 20 LBS. USED $25.00



AM-65/GRC AUDIO FREQUENCY AMPLIFIER; THREE CHANNEL AUDIO FREQ. AMPLIFIER USED FOR INTERPHONE AND MONITORING OF VARIOUS TYPE GRC REC-TRANS. POWER REQUIRED: 135 VDC @ 35 MA AND 6, 12 OR 24 VDC.
SIZE: 4⅝x13x8 WT: 17 LBS. USED $14.95

PP-282/GRC 24 VDC POWER SUPPLY USED WITH THE AM-65 AND RT-70. THIS UNIT PLUGS INSIDE THE AM-65 AND SUPPLIES THE VOLTAGES FOR BOTH AM-65 AND RT-70.
SIZE: 4½x6x3 WT: 6 LBS. USED $5.95

COMBINATION OFFER

WHEN THE RT-70, AM-65 AND PP-282 ARE PURCHASED TOGETHER. ALL THREE FOR $35.00

TECH MANUALS WITH SCHEMATICS FOR:

RT-196/PRC-6	$7.50		
PRC-9A-10A	$7.50	AM-598	$3.00
RT-66,67 & 68	$5.00	PP-109 & 112	$5.00
RT-70	$5.00	AM-65	$5.00
R-108, 109 & 110			$7.50

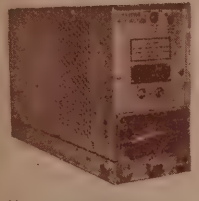
AN/VRC 13-15 OR AN/VRC 16-18, CONTAIN INFO & SCHEMATICS ON RT-66,67,68, R-108,109,110,PP-109,112, VAR. MTG. CONTROL BOX ES. $7.50

*P.U.R. = PRICE UPON REQUEST

HIGH BAND • FM — TRANSMITTER — RECEIVERS • LOW BAND

R-394/U RECEIVER F.M. 152-172 MC. SINGLE CHANNEL CRYSTAL CONTROL DUAL CONVERSION, CRYSTAL FREQ. RANGE 24.033 TO 27.7 THIRD OVERTONE, TYPE CR-32/U, I.F. FREQ. 7.8 MC & 455 KC. 15 KC DEVIATION, OUTPUT IMPEDANCE 8 OHMS, POWER 6 WATTS, SQUELCH AND MUTING CIRC. MODULAR CONSTRUCTION WITH PLUG-IN UNITS FOR EASY SERVICING.
1ST R-F AMPL. UNIT W/TUBES 1/5840 2/1AD4.....LOCAL OSCILLATOR UNIT W/TUBES 2/1AD4,1/5678,1/VR31-5783 .....1ST I-F 7.8 MC UNIT W/TUBES 3/5678.....2D I-F AND DISCRIMINATOR UNIT WITH TUBES 7/5678.....AUDIO AND SQUELCH UNIT WITH TUBES 3/5678,1/5672,1/6AK6 ALSO 455 KC SELECTIVE FILTER UNIT WHICH IS WIRED, NOT PLUG-IN. ILLUSTRATION SHOWS THE PLUG-IN UNIT AND THE COMPARTMENT WHERE THE POWER SUPPLY IS ALSO PLUGGED INTO. COVER IS SUPPLIED AND HELD IN PLACE BY A SPRING LOADED FASTNER.
POWER SUPPLIES, CONNECTOR, CONTROL UNIT AND OTHER ITEMS THAT ARE USED WITH THIS SET ARE LISTED ELSEWHERE ON THIS PAGE.
SIZE:8½x5¾x14½; WT: 19 LBS.
PRICES: USED GOOD CONTITION.....$14.95
GOV'T RE-CONDITIONED.... 22.50

R-257 RECEIVER 25 TO 50 MC FM SAME AS R-394 RECEIVER ONLY DIFFERENT FREQUENCY RANGE. USES ALL THE SAME ACCESSORIES POWER SUPPLIES, TUBES ETC. SAME SIZE AND WEIGHT.
USED $14.95



T-208/U TRANSMITTER F.M. 25 TO 50 MC 25 WATTS. SINGLE CHANNEL CRYSTAL CONTROL, 15 KC DEVIATION, VOICE ONLY TRANSMISSION. CRYSTAL UNIT CR-27/U, FREQ RANGE 1,562.5 TO 3125 KC. X 16 FOR ALL FREQUENCIES. 100 MV CARBON MIC. WITH TUBES 3/2E24,1/3B4,2/5672 4/5678 & 3/1AD4.
VOLTAGES REQUIRED ARE AS SHOWN WITH DYNAMOTORS DY-93/12 V, DY-98/24 V. DY-100/6 V.
SIZE:8½x4½x14½; WT: 11 LBS. USED $18.95

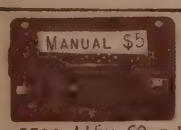
CHASSIS CONNECTORS TO FIT R-394,R-257,T-416 T-278,T-208 & SUPPLIES

TRANSMITTER PLUG P-401 CHASSIS CONNECTOR NO'S J-801, CANNON# DPD-A32C2-33S-2L $2.50
RECEIVER PLUG R-252; CHASSIS CONNECTOR NO'S J-803, CANNON# DPD-A31C1-33S-2L $2.50
POWER SUPPLY PLUG P-1203; CHASSIS CONNECTOR NO'S J-802, CANNON# DPD-30-33S-22 $2.50
UG-77 PLUG ON 4½ FOOT CORD.....$1.00
H-33/PT HANDSET ON 4½' CORD WITH UG-77 U 5.95

RF MONITOR

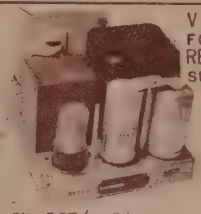
ID-642/FSA RADIO FREQUENCY MONITOR, USES DIRECTIONAL COUPLER WITH IN-21B DIODE TO MONITOR RF VOLTAGE LEVEL. DC VOLTAGE IS AMPLIFIED TO TRIGGER A 24 VDC RELAY (6.5 MA 4PST) OVER A POWER SCALE OF 25-200. UNIT WAS PROBABLY CALIBRATED INTO A STANDARD LOAD. REQUIRES HN CONNECTORS. WITH TUBES: 2/0A2, 5751, 5670 6X4. AND TJ791K01 CURRENT REGULATOR. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 11x19x10½. SHPG. WT: 20 LBS. UNUSED, W/SCHEMATIC, $12.95

BC-604 F.M. TRANSMITTER 30 W. FREQ. RANGE 20-27.9 MBZ. 10 PRE-SET CRYSTAL CONTROL CHANNELS ARE POSSIBLE WITH THE PROPER CRYSTALS. WITH TUBES 4/1619 & 1/1624. VOLTAGE REQ. 12 OR 24 VDC & 625VDC @ 225MA. SIZE:18½x11½x10¾; 60 LBS. PRICE: Unused, $25.00



TELEGRAPH-TELEPHONE SIGNAL CONVERTER: CONVERTS 20 CPS RINGING SIGNALS TO 1225/1600 CPS RINGING SIGNALS AND CONVERTS 1225/1600 CPS RINGING TO 20 CPS. RINGING. POWER REQ; 115v 60Hz.W/2EA.12AU7,12AX7,6AL5,6X4 SIZE:11x7½x10½; 18 LBS. TA-182 USED $25.00

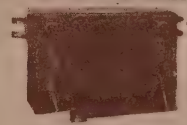
R-257 OR R-394 RECEIVER CHASSIS ONLY LESS ALL PLUG-IN UNITS AND FILTERS, WITH CONNECTORS & COVER. SHPG. WT: 10 LBS. USED $4.95
R-257 OR R-394 RECEIVER PLUG-IN UNITS ONLY
MX-1547 RECEIVER RELAY SUBASSEMBLY $4.95
1ST R.F. AMPL. W/TUBES 1/5840,2/1AD4 $3.95
LOCAL OSCILLATOR W/TUBES 2/1AD4,1/5678 $4.95 1/VR31-5783 & CRYSTAL. (NO CRYSTAL CHOICE)
2ND I.F AND DISCRIMINATOR W/ TUBES 5678 $3.95
1ST I.F 7.8 MC. W/TUBES 3/5678 & CRYST $4.95
AUDIO & SQUELCH W/TUBES 3/5678,1/5672 AND 1/6AK6 $3.95
SELECTIVE FILTER 455 KC. (NOT SHOWN) $2.95



VIBRATOR TYPE POWER SUPPLIES FOR USE WITH R-394 & R-257 RECEIVERS. THE OUTPUT OF THE SUPPLIES ARE THE SAME AND ARE

155	VOLTS DC	@ 15 MA.	
150	" "	@ 5 "	
140	" "	@ 50 "	
-40	" "	@ .5 "	
6.3	" "	@ .45	AMPS.
6.3	" "	@ 1.0	"
1.4	" "	@ 1.25	"

PP-867/U 24 VOLTS DC @ 1.1 AMPS USED $4.95
PP-868/U 12 " " @ 2.0 " " 9.95
PP-869/U 6 " " @ 3.7 " WRITE AS TO
PP-846/U 115/230 v 60 CYC 2 AMPS AVAILABILITY.
PP-604 115/230v. 60 CYCLE AC POWER SUPPLY FOR T-417, T-208 AND T-278 TRANSMITTERS.
WRITE AS TO AVAILABILITY AND PRICE
C-844/U CONTROL UNIT FOR OPERATION OF RADIO SET FROM REMOTE POINT. USED $14.95



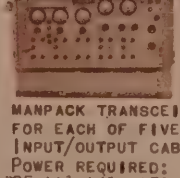
C-847 RADIO CONTROL BOX; USED TO CONTROL THE SYSTEM, HAS HEAVY ALNICO MAGNET 4" SPEAKER FOR MONITORING REC. CONTROLS FOR SQUELCH, VOLUME ON/OFF SW. PILOT LIGHTS AND RECEPTACLE FOR H-33 HANDSET WHICH HAS UG-77
SIZE:9½x5¾x3½; WT: 6 LBS. USED $8.95
H-33/PT HANDSET WITH CORD & UG-77 " 5.95

DY-93 DYNAMOTOR POWER SUPPLY
INPUT: 12 VDC @ 20 AMPS.
OUTPUT: 380 VDC @ 180 MA.
225 VDC @ 45 MA.
-25 VDC @ 5 MA.
USED WITH T-208 & T-278 TRANS.
SIZE: 8½x7x14; WT: 27 LBS.
PRICE: USED $9.95

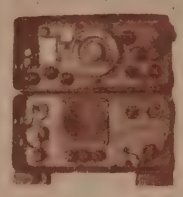
TRANSMITTER RECEIVER

RT-53/TRC-7 RECEIVER-TRANSMITTER; 100-156 MHZ, A.M. VOICE, 1.5 W CRYSTAL CONTROL ON 2 PRESELECTED CHANNELS, 1¾" METER, PHONE, MIC. & MONITORING JACKS, VOL. CONTROL ETC. WITH TUBES 3/1AB5,3/1L4,1/1S5,5/3A5,1/1LA3,1/3Q4 & 2/3A4, VOLTAGES REQUIRED 90 VDC, 60 VDC & 4½ VDC.
SIZE:11¼x5½x13¾; 15 LBS. USED $24.95

PRC POWER SUPPLY



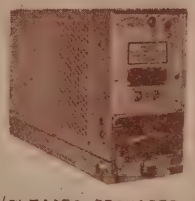
PP-351 POWER SUPPLY, DESIGNED TO PROVIDE REGULATED DC POWER FOR TESTING PRC-6, -8,-9,-10; SCR-510, -610; AND BC-1000 MANPACK TRANSCEIVERS. HAS METERING FOR EACH OF FIVE VARIABLE OUTPUTS. INPUT/OUTPUT CABLES NOT AVAILABLE.
POWER REQUIRED: 115/230 VAC 50-60 Hz.
25x11½x14½; 150 LBS. SH. USED, $45.00



AN/GRR-5 RADIO RECEIVING SET FOR USE IN THE 1.5 TO 18 MHZ RANGE, 4 BANDS 115 VOLTS 50 OR 60 CYCLE, 6, 12, 24 VDC OR DRY CELL BATTERIES 90 AND 1.5 VDC. CAN BE USED FOR OPERATION THE SET CONSISTS OF THE R-174 RECEIVER WHICH IS A SUPERHETRODYNE RECEIVES AM, CW AND MCW SIGNALS, WITH CONTINUOUS TUNING AND FACILITIES FOR PRESETTING ANY 10 CHANNEL FREQ., 200 KHZ CRYSTAL CALIBRATOR, 455 KHZ IF WITH TUBES 1/3V4,3/1R5,3/1L4 & 1/1U5. THE OUTPUT OF THE REC. IS FEED INTO A HEAVY DUTY 4" SPEAKER THAT IS PART OF THE PP-308 POWER SUPPLY AND TO OUTPUT PHONE JACKS ON THE REC. PP-308 POWER SUPPLY FURNISHES ALL THE VOLTAGE REQUIRED WHEN ANY OF THE POWER SOURCES ARE APPLIED AS STATED ABOVE AND IT ALSO CONTAINS THE SPEAKER. BOTH UNITS ARE MOUNTED IN A TWO COMPARTMENT CABINET THAT IS SHOCKMOUNTED. PP-308 IS SUPPLIED WITH TUBES 2/6AG7,1/1007 & 1/0B2.
SIZE:13½x8½x12½; WT: SHPG. 75 LBS. ACTUAL 62

Price: Used reparable $49.50; Checked $79.50 POWER INPUT PLUG, $3.00 with purchase of set. DC cord, 10 foot, $1.50; MANUAL, $7.50

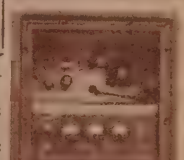
CY-938 ELECTRICAL EQUIPMENT CABINET; USED TO HOUSE RECEIVERS R-394 OR R-257, TRANSMITTERS T-208 OR T-278 AND POWER SUPPLIES DY-93 OR DY-98 OR DY-100 FOR THE TRANSMITTERS.
SIZE:17½x11½x25; WT: 33 LBS.
PRICES: USED $7.95



T-278/U TRANSMITTER F.M. 152 TO 174 MC APPROX. 30 WATTS, CRYSTAL CONTROL ON ANY TWO (2) PRESET FREQ. PHASE SHIFT MODUALTION 15 KC DEVIATION, CR-27/U CRYSTAL UNIT FREQ. RANGE 4750-5437.5 KC. MULTIPLIED 32 TIMES. WITH TUBES 2/3B4,3/2E24,4/5678,2/5672 AND 2/1AD4.
VOLTAGES REQUIRED AS SHOWN WITH DY-93 DYNAMOTOR ELSEWHERE ON THIS PAGE. USED $18.95
SIZE:8½x4½x14½; WT: 12 LBS. UNUSED $24.95
T-278 TRANS. LESS TUBES AND CRYSTAL OVEN $6

CX-2371 CABLE ASSEMBLY USED FOR CONNECTING R-394-257 REC., T-208-278, 416, 417 TRANS. TO THE VARIOUS CABINETS SO THE UNITS CAN BE SERVICED OUTSIDE THE CABINETS.
LENGTH 7 FT. 3 LBS. $10.00

CX-2341 CABLE FOR CONNECTING CONTROL BOX TO CABINET, NO PLUGS ON CABLE. 5 FOOT LENGTH $5. MAXIMUM LENGHT 15'

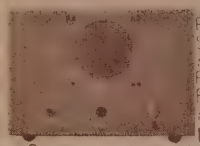


PP-638/U POWER SUPPLY USED WITH AM-494 & AM-495 POWER AMPLIFIERS. INPUT 115/230 VOLTS 50/60 CYCLE, OUTPUT 1100 VDC @320 MA, 230 VDC @ 60 MA AND 6.3 VAC @ 5.2 A. 2½" RUGGEDIZED METERS 50 MADC 500 MADC AND 1.5 KVDC ALSO BLOWER FOR COOLING. UPPER COMPARTMENT SIZE 15Wx 9¼ H x 8½ D.
SIZE: 31⅛ x 20½ x 24½; WT: 150 LBS.
PRICE: RE-NEW $100.00

SPEAKERS

LS-166/U LOUDSPEAKER, housed in cast-aluminum case, speaker is 4" dia. with heavy-duty PM magnet, 600 ohm matching transformer with 8 ohm output and HI-LO switch, 6 foot cord with UG-77 connector. Unit is used with most GRC/VRC radio sets. 5x5x3¾, 5 lbs. Used, $9.95

LS-3 SPEAKER, 6" dia. speaker with permament magnet and transformer for upto 8000 ohm impedance to voice coil. Housed in 8¼x5¼x8¼ steel cabinet. Covered jack f/PL-55. 8 lbs. Used, $15.

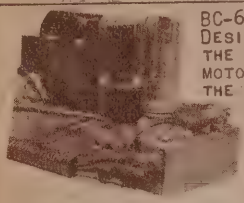


RECEIVER POWER SUPPLIES AND SPEAKER FOR THE FOLLOWING:

R-23/ARC-5	BC-453	BC-342
R-24/ARC-5	BC-454	BC-344
R-25/ARC-5	BC-455	BC-348
R-26/ARC-5	BC-946	BC-429
R-27/ARC-5	R-108,109,110	

COMPLETE WITH DYNAMIC SPEAKER HOUSED IN A METAL CABINET WITH CONNECTING CABLE, PLUG, PHONE JACK, VOLUME CONTROL, BFO SWITCH, ETC. IF APPLICABLE. CAN ALSO BE USED FOR OTHER SETS. OUTPUT: 200/250 VDC @ 90/60 MA AND 24 VAC @ 2 AMPS. INPUT: 115 VAC 60 HZ. PLEASE SPECIFY THE TYPE SET. DIMENSIONS AND PARTS OF THE POWER SUPPLIES MAY VARY WITH AVAILABILITY OF MATERIALS. 9½x6¾x5 WT: 10 LB
PRICES: KIT OF PARTS, $22. WIRED, $27.00

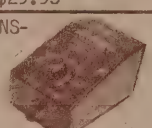
BC-348 RECEIVER POWER SUPPLY with speaker, similar to above. Kit, $22. Wired, $27.00



BC-603/BC-683 RECEIVER P.S. DESIGNED TO BE PLUG IN-TO THE SAME PLACE AS THE DYNAMOTOR WITH NO CONVERSION TO THE SET THAT WILL EFFECT THE OPERATION FROM THE DYNAMOTOR. ONLY WORK REQUIRED IS ADD ON/OFF SWITCH IN PLACE OF SPAR FUSE HOLDER. TRANSFORMER TYPE USING 5Y3GT TUB OUTPUT 220 VDC, 80 MA. & 24 VDC 2 A. WT:5LBS.
PRICES: KIT OF PARTS $15.00 WIRED $20.00

PE-110 POWER SUPPLY FOR BC-669 TRANSMITTER-RECEIVER. INPUT 115 VOLT 60 CYC. OUTPUT 520 VDC @ 420 MA. A 12 VDC VIBRATOR TYPE POWER PACK WITH AN OUT PUT OF 275 VDC @ 64 MA THAT PLUGS INTO THE CHASSIS SERVES AS A RECEIVER STANDBY. INCLD. FOUR 5Z3 TUBES, RESET CIRCUIT BREAKERS, A.C. OUTLETS, AND SUFIX LETTER, TUBE COMPLEMENT AND SIZE MAY VARY. 20x9x12; 75 LBS. USED REPARABLE $25

PP-484/FGC-5 VOLTAGE REGULATED POWER SUPPLY OPERATES FROM 115/230 VOLT 50/60 CYCLE 1 PH. OUTPUT 115 VDC 100MA, 225VDC 550 MA.; 4/6.3 VAC 12 AMP. -6.3V BIA. WESTON 301 METERS 3½" 0-10 VAC; 0-200 VDC & 0-500 VDC; W/ TUBES 2/3B28, 2/2050, 2/12AU7, 6Y6 & 5U4. ALSO 2 AC OUTLETS ON FRONT PANEL. 19x11¼x20; WT: 150 LBS. USED $29.95



GILBERT AMERICAN FLYER TOY TRANSFORMER, INPUT: 120 VAC 60 HZ. OUTPUT: 7 TO 18 VOLTS AC. CONTROL READS 0 TO 120 MPH. WITH AC CORD AND OUTPUT BINDING POSTS. SIZE: 3⅜x5x3 WT: 6 LBS. GILBERT #22034 USED, $3.95

FGC-29/1660 POWER SUPPLY INPUT 115/230 VOLT 50/60 HZ OUTPUT: 225 VDC 100 MA. 6.3 VCT 4A. 6.3 V 1.5 A. INCL. FIL. 2/2D21 TUBES 11½x5½x4½; 23 LBS. REM $15

FGC-29/1640 POER SUPPLY: INPUT, 115/230 V. 50/60 HZ. OUTPUT, 40 VDC 30MA OR 35VDC 40MA 6.3V 1.4A INCL. FILAMENT 6x4. 5¾x3¾x4¼; 8 LBS. REMOVED $10

SOLA CONSTANT VOLTAGE DC POWER SUPPLIES; 19" x 6" 40 lbs. sh wt. $14.95

SOLA #	INPUT	OUTPUT
28238	180/240 200/260	200 VDC 1.5 A
28239	" "	120 VDC 1.1 A
		20 VDC 2.0 A
28323	115/208/230	120 VDC 2.0 A
28266	115/208/230	20 VDC 4.0 A

#237 CONSTANT VOLTAGE TRANSFORMER, 6.5 V 25 amp output from 90-130 VAC 60 Hz input, $15.

VERY HIGH VOLTAGE

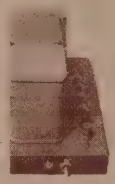
DC POWER SUPPLY WITH 107-125 VAC 60 HZ PRIMARY. TWO OUTPUTS: -5.4 TO 5.75 KV. @ 140 TO 300 u-A. ONE OUTPUT: -5.1 TO 5.3 KV. @ 100 TO 270 u-A. SIZE: 12½x2½x4½ WT: 10 LBS. GE#9T63Y2029G6, USED, $10.95

DC. SUPPLIES

OPERATE FROM 115 VOLTS 60 CYCLE AND ARE COMPLETE WITH TRANSFORMER, RECTIFIER, CAPACITOR, SWITCH, LINE CORD, PILOT LIGHT, LINE FUSE ETC. INDICATED RATINGS ARE FOR LOAD CONDITIONS.

OUTPUT 12 VOLT D.C. 2 AMPS.
SIZE: APPROX. 5x10x2; WT: 10 LBS
STK.# 12VDC2A.
PRICES: COMPLETE WIRED $15.95
KIT OF PARTS 11.00

OUTPUT 24 VOLT D.C. 2 AMPS.
APPROX. SIZE: 5x10x2; WT: 12 LB.
STK.# 24VDC2A.
PRICES: COMPLETE WIRED $20.95
KIT OF PARTS 15.95



OUTPUT 12 VOLT D.C. 4 AMPS.
APPROX. SIZE 5x10x2; WT: 12 LB.
STK.# 12VDC4A.
PRICES: COMPLETE WIRED $19.95
KIT OF PARTS 14.95

OUTPUT 24 VOLT D.C. 4 AMPS.
APPROX. SIZE: 5x10x2; WT: 14 LB
STK# 24VDC4A
PRICES: COMPLETE WIRED $23.95
KIT OF PARTS 18.95

LENKURT MODEL 5047A POWER SUPPLY, INPUT: 115 VAC 60 HZ. OUPUT: 24 VCT. 10 AMPS AC AND 160v. 150 MA DC. CONSTRUCTED ON AN ALL-ALUMINUM CHASSIS WITH VENTILATED ALUMINUM COVER WITH FLIP-LOCKS. (NOT SHOWN)
SIZE: 19½x7½x10½ WT: 45 LBS. $19.95

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLIES rated conservatively and constructed on rugged steel frames. Units have front voltage adjust ±10% running light, AC reset. Also adjustable current limiting and overvoltage protection. Power input: 115 VAC 60 Hz. Removed from equipment.

RATING	SIZE	Sh wt.	#	PRICE
4 V 75 A.	20x19½x17	125 lbs.	650	$60.00
12 V 15 A.	15½x13½x7	60 lbs.	654	$70.00
12 V 25 A.	15½x19½x7	75 lbs.	928	$90.00
12 V 35 A.	20x19½x17	100 lbs.	1235	write

REGULATED 48V 5A

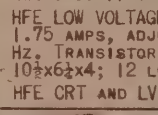
REGULATED SOLID STATE POWER SUPPLY; OUTPUT: 48v. 5 AMPS. INPUT: 115 VAC 60 Hz. TRANSISTOR DEVICES MODEL SPS 828. SIZE: 16½x 8½x3½, SHPG. WT: 25 LBS
PRICE: UNUSED, $45.00

SCOPE POWER SUPPLY

HFE CRT POWER SUPPLY; HAS 6.5 KV LOW CURRENT OUTPUT WHEN USED WITH 10 VDC 1.75 AMPS DC-TO-DC INPUT CONVERTER. WILL PRODUCE 7.5 KV FROM 12 VDC INPUT. OTHER LOW CURRENT OUTPUTS OF -2500 AND -1500 VDC. TRANSISTORIZED WITH COVER AND CONNECTORS. 11x6x5½, 10 LBS. USED, EXC., $15.95

HFE LOW VOLTAGE POWER SUPPLY; OUTPUT: 10 VDC 1.75 AMPS, ADJUSTABLE -1 V. INPUT: 115 VAC 60 Hz. TRANSISTORIZED WITH FUSE AND CONNECTOR. 10½x6½x4; 12 LBS. REMOVED F/EQUIP., $7.95

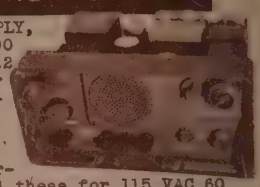
HFE CRT AND LV POWER SUPPLIES AS SET, $20.00



BREAKER 12.5 VDC 2.5 AMP POWER SUPPLY; 4 AMP SURGE, 4 AMP CIRCUIT BREAKER. 4-5/8x2½x6½; SHPG. WT: 6 LBS. #13-110, NEW, $20.

MULTIVOLTAGE POWER SUPPLY; HAS REGULATED OUTPUTS: +12 VDC 500 MA, -12 VDC 500 MA, AND 24 VDC 1 AMP. ALSO 7 VDC 10 AMP UNREGULATED, INTERMITTENT. REG. VOLTAGES ADJUSTABLE OVER SMALL RANGE. INPUT: 115 VAC 60 Hz; 9x5x6, 13 LBS. #LR32605, $25.

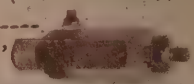
PP-308 POWER SUPPLY



PP-308/URR POWER SUPPLY, has output voltages 90 VDC, 1.4 VDC, and -4.2 VDC. Originally power unit for AN/GRR-5 receiver designed to operate from 115 VAC 60 Hz or 6, 12, or 24 VDC storage batteries. We have modified these for 115 VAC 60 Hz operation only. Set has fuseholders, power selector switch, speaker, speaker on-off, and OB2 tube. 4-pin power input connector — not available. Size: 5½x8x12, 33 lbs sh. Used, checked for 115 VAC operation, $21.95

MAGNETRONS

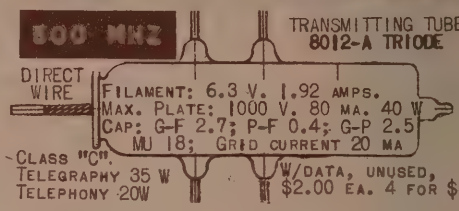
MAGNETRON TUBES LESS EXTERNAL MAGNETICS. USED, $24 EA. SPECIFY:
2J26 (2992-3019 MHz); 2J28 (2939-2965 MHz);
2J29 (2914-2939 MHz); 2J39 (3267-3333 MHz);
2J61 (2992-3100 MHz); 2J62 (2914-3019 MHz);
725A (USED IN APS-4 RADAR).



S-300 TUBE (OPEN FILAMENT), 10" LG. 3" DIA. AS-IS, $4.

800 MHZ

TRANSMITTING TUBE 8012-A TRIODE



CLASS "C": TELEGRAPHY 35 W TELEPHONY 20W

W/DATA, UNUSED, $2.00 EA. 4 FOR $6.

8025 TRIODE, same as 8012 but 4-pin base, $3.

UNUSUAL TUBES for collectors and experimenters. Filaments checked but not guaranteed.

JAN 218 RECTIFIER TUBE, 1/2 wave high vacuum; jumbo 3-pin base. 15½"Hx5" dia $10.

MATCHLETT ML-500 HV TUBE, 15½"H x 5" dia. $12.00

JAN 705A RECTIFIER, 4-pin base. 5"H x 2¼" dia. $5.

JAN 715B PULSE AMP TETRODE 4-pin base, similar shape as 705A; 5¾"Hx2⅛" dia. $6.

WESTINGHOUSE CL-2 TUBE WITH-IN-A-TUBE, 12½"Hx2" dia $7.

WESTERN ELECTRIC 701A PULSE TETRODE jumbo 4-pin base; 7½"H x 4" dia $10.

FIELD TELEPHONES

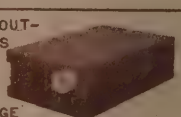
EE-8 FIELD TELEPHONE, PORTABLE HAND-RINGING MAGNETO TYPE UNIT. OPERATES FROM TWO "D" CELL BATTERIES (NOT INCLD.) TWO OR MORE CAN BE USED IN A TWO WIRE SYSTEM UP TO 17 MILES IN LENGTH. WITH CARRYING CASE AND STRAP. 8x10x3⅜; 18 LBS. USED, CHKD. $50.

TP-3 FIELD TELEPHONE, PORTABLE, SAME AS EE-8 EXCEPT THIS UNIT DOES NOT REQUIRE FLASHLIGHT BATTERIES BECAUSE IT USES A SOUND POWERED HANDSET. SIZE:8x10x4; 18 LBS. USED CHKD $55

H-102 TELEPHONE HANDSET & SIGNALING UNIT FOR COMMUNICATIONS WHERE VOLTAGE IS AVAILABLE FOR OPERATING THE HANDSET AND THE UNIT'S RINGING CIRCUIT. REQUIRES 3 & 6 VDC. SIMILAR TO EE-8. 8x10x4; 15 LBS. USED, CHECKED, $30.

RA-87 RECTIFIER; FOR USE WITH TELETYPE EQUIPMENT. CONVERTS 95 TO 125 VOLT OR 190 TO 250 VOLTS 50-60 CYC TO 115 VDC 400 MA AND 115 VAC 4.35 A. WHEN USED WITH 190 TO 250 VAC INPUT. RE-NEW $12.95
SIZE:14⅜x7½x8; 45 LBS. PRICE: USED $16.95

PRECISION HV POWER SUPPLY, OUTPUT APPROX. 19 KV 250 u-AMPS REFERENCED TO GROUND. REQUIRES 115 VAC 60 Hz. UNITS POTTED EXCEPT FOR TRANSISTOR CONTROL BOARD AND VOLTAGE ADJUST POT. W/FUSE, TERMINAL FOR TEST METER. 10x5½x2½, 15 LBS. #CPS-5001P/1650, USED, $16



CATHODE RAY

CRT'S, pull-outs or unused.

2BP1	$15.00	5AP1	$10.00
3ACP1	15.00	5ABP1	30.00
3ACP7	15.00	5AHP7	30.00
3ADP1	25.00	5BP1	25.00
3BP1	15.00	5BFP7	35.00
3CP1S1	3.00	5CP1/7	15.00
3DP1	6.00	5CBP1	25.00
3E33P7	20.00	5CLP11	35.00
3FP7	6.00	5FP7	12.00
3GP1	15.00	5FP14	15.00
3HP7	3.00	5GP1	15.00
3JP1	12.00	5JP1/2	12.00
3JP12	12.00	5NP1	15.00
3RP1	25.00	5UP7	30.00
K135P7	25.00	7BP7	15.00
4MP1	35.00	7CP7	15.00

Z4516PSC1 $10. 19DXPSC1 $25
21AWP4 21" BW-TV $5.00
Z4535P2/GE7742513P1, ROUND FLAT-FACE 7" CRT, $5.00

TUBE SHIELD & 11-PIN SOCKET FOR 3BP1-TYPE TUBE, $5.50
SHIELD ONLY $4/SOCKET $2.50

SHIELD FOR 5CP1, 5⅛" FACE, 2¾" NECK, 14" LONG, $5.00
SOCKET 5CP1 $3; 5BP1, $2.50
MU-SHIELD FOR 2" CRT, $6.95

SPECIAL TUBES

USED CHECKED; PULL-OUTS

$1.00	$1.50	$2.50
5651	6005	6JE6/6LQ6
5687	6099	6KD6
5751	2050	6JS6/6LR6
6004	5654	
5814	5749	
6096	5750	6032 IMAGE
5672SL	5763	TUBE UNUSED
5676SL	6201	$10.00
5678SL	6112	
5840SL	808	

U=USED, CHECKED; UN=UNUSED

1AE4	U	$1.50	954	U	$1.00
2C43	U	12.		UN	1.50
2C46	U	10.	955	U	1.50
2K25	U	10.		UN	2.50
3C22	UN	10.	956	U	1.50
3C45	UN	15.		UN	2.50
4J31	UN	28.	958	U	1.50
5J33	UN	25.		UN	2.50
6BJ	U	18.	991	U	1.00
304TL	U	55.		UN	1.50
304TH	U	55.	1616	U	1.00
450TL	U	70.	1619	U	1.00
807	U	3.	1624	U	1.00
814	Un	8.	1625	U	1.75
829B	U	10.		UN	3.50
832A	U	8.	1626	U	1.00
837	U	3.		UN	1.50
866A	U	5.	1629	U	1.50

6146B, NEW MFG., $6.95

MasterCard VISA

WE WILL ACCEPT THE ABOVE CREDIT CARDS.

WHEN USING YOUR CREDIT CARD WE MUST HAVE THE NAME OF THE CREDIT CARD, ALL THE NUMBERS AND LETTERS ON THE CARD, EXPIRATION DATE AND NAME OF YOUR BANK.

STANDARD TYPES

USED, CHKD. $1. UNUSED, $2.
0A2 0A3 0B2 0B3 0C3 0D3 0Z4
1A3 1A4 1A5 1A6 1A7 1B3 1B4
1B5 1C5 1C6 1D5 1E7 1F4 1F3
1G6 1H6 1J3 1J6 1K3 1L4 1N5
1N6 1P5 1R4 1R5 1S2 1S4 1S5
1T4 1U4 1X2 1V2 1LA4 1LA6
1LC5 1LC6 1LH4 1LN5

USED ONLY 3A5 3B4 3V4 3Q4 3Q5 CHECKED $1.50 EA.

5A6 USED $3.00 2A7 USED $2
2X2 USED 1.50
2X2 BX'D 2.50

USED, CHKD., $1. UNUSED, $2
5R4G 5T4 5T8 5U4G 5U8 5V3
5V4 5W4 5Y3G 5X4 5Z3 5Z4

USED, $1.00; UNUSED, $1.75
ADD 25¢ EA. FOR METAL TYPE.
6AB4 6AB7 6AC5 6AC7 6AF3
6AF4 6AF5 6AF9 6AF11 6AG5
6AH4 6AK5 6AK6 6AL5 6AL7
6AQ5 6AQ7 6AN5 6AN8 6AR6
6AS5 6AS6 6AS7 6AT6 6AU4
6AU5 6AU6 6AU7 6AY3 6AW8
6AV5 6AV6 6AX4 6AX5 6BA6
6BA7 6BA11 6BC5 6BC8 6BE3
6BF5 6BH6 6BJ3 6BK4 6BK5
6BK7 6BL7 6BN4 6BN6 6BQ7
6BQ6 6BX7 6BU8 6BZ6 6PZ7
6CB5 6CB6 6CF6 6CG3 6CG8
6CG7 6CG8 6CL6 6CM7 6CS6
6CS7 6CU5 6CU8 6CY5 6CY7
6CX8 6DA4 6DE6 6DK6 6DK7
6DG6 6DQ5 6DQ6 6DN6 6DN7
6EA4 6EA7 6EB8 6EH4 6EJ7
6EM5 6EM7 6EU7 6EW6 6ES5
6FQ7 6FY7 6FW5 6FM7 6GF7
6GH8 6GK5 6GJ7 6GW6 6GM6
6HA5 6HB7 6HM5 6JH6
6JT8 6JU8 6KA8 6KD8
6KZ8 6LM8 6LU8 6SA7
6SC7 6SD7 6SF5 6SH7 6SJ7
6SK7 6SL7 6SN7 6SR7 6ST7
6SU7 6ZY5

IF YOU DON'T SEE WHAT YOU NEED LISTED, PLEASE WRITE.

MANY OTHER TUBES IN STOCK. NO COMPLETE LIST AVAILABLE. WRITE AND TELL US WHAT YOU NEED AND QUANTITY REQUIRED. SPECIFY 1st & 2nd CHOICE AS TO USED, CHKD, OR UNUSED.

USED, $1.50; UNUSED, $2.50
6A3 6A4 6A5 6A6 6A7 6A8
6B4 6B5 6B6 6B8 6C4 6C5
6C6 6F5 6F6 6F8 6G6 6H6
6K4 6K6 6K7 6K8 6J4 6J5
6J6 6J7 6J8 6L4 6L6 6L7
6N4 6N7 6Q7 6T8 6T7 6T4
6U6 6U7 6U8 6V6 6V8 6V7
6V3 6W4 6W6 6Y6 6Z7 6X5
6X4 6X8 6Z4

USED, CHKD., $2. UNUSED, $3
7A4 7A5 7A6 7A7 7A8 7B5
7B6 7B7 7B8 7C4 7C5 7C7
7E7 7F8 7K7 7L7 7T7 7X7
7V7 7W7 7N7 7Q7 7S7 7Y4
7Z4 7AD7 7AU7 7AH7 7AG7

14A5 14A7 14B8 14C5 14C7
14E6 14F6 14F7 14N7 14R7
14S7 14W7 28D7

USED, $1.00; UNUSED, $1.75
ADD 25¢ EA. FOR METAL TYPE.
12A5 12A6 12A8 12C8 12B4
12D4 12H6 12J5 12J7 12K7
12K8 12L6 12Q7 12W6 12X3
12Z3 12AC6 12AF6 12AH7
12AL7 12AU7 12AX4 12AX7
12AZ7 12BA6 12BA7 12BE6
12BH7 12BF6 12BY7 12CA5
12D06 12SF5 12SG7 12SH7
12SJ7 12SK7 12SL7 12SN7
12SR7

USED, $1.00; UNUSED, $1.75
8BQ7 8B10 9KZ8 10EG7 10DE7
15KY8 17D4 17BF11 17AX4
17GW6 17DQ6 19AU4 19T8
21JV6 21GY5 22JM6 23Z9
25L6 25W4 25DN6 25BQ6 25Z5
25Z6 32L7 35B5 35C5 35L6
35A5 35Z3 35Z4 35Z5 35Y4
50A5 50C5 50C6 50L6 50X6
50HK6 70L7 117N7 117L7

* * * * * * * * * * * * * * *

USED, $2.00; UNUSED, $3.50
26A6 26C6 26D6 26E6
9001 9002 9003 9004 9006
26A7, USED, $3. UNUSED, $5

OLD TUBES AS AVAILABLE.
USED, CHKD. $2; UNUSED, $3.

10Y 19 24 27 33 34 35 36
37 39/44 41 42 46 47
VT-52 (45 SPECIAL 7.5 V)
55 56 57 58 71 75 76 77
78 80 81 83 84/6Z4

ANTIQUE TUBES, OLDER LARGE GLASS GLOBE VERSION OF MANY OF THE ABOVE AS AVAILABLE, 1--, 2--, OR 3-- SERIES, USED, CHECKED, $4.00

SRL-7H KLYSTRON for TRC-29, 2160-2400 Mhz, unused $200.

POWER AMP

POWER AMPLIFIER TUBES USED, CHECKED. WRITE FOR QUOTATION ON LOTS OF 10 OR MORE.

2C39A, 6 V FIL., $6.00
3CX100A5, 6 V FIL., $7.50
4X150A, 6 V FIL., $12.00
4X150D, 26 V FIL., $10.00
4X250B, 6 V FIL., $15.00
4X250F, 26 V. FIL., $12.50
4CX250B, 6 V FIL., write
4CX250F, 26 V FIL., $16.00
4CX250R, 6 V. FIL., write

EIMAC SK610/JOHNSON 124-110 SOCKETS FOR 4X150/4CX250, USED, $7.50; W/CHIMNEY, $9.

BALLASTS

BALLAST TUBES & THERMAL RELAYS, $1.50 EACH.

1TF10 3-14B 3-16 4-25
6-4 6A15 7H-4B 9H4
10TI TJ801K1

OTHERS AVAILABLE. WRITE.

* * * * * * * * * * * * * * *

3HTF4 BALLAST, REPLACES 3TF7 USED IN R-389, -390, -390A, -391. UNUSED, $4.00

Fair Radio Sales Co., Inc.

1016 E. EUREKA
P. O. BOX 1105
LIMA, OHIO 45802
Tel: Area Code 419-227-6573

Name · Please Print Clearly · Date

Street Address · R.F.D. · P.O. Box

Post Office · State · Zip

REMARKS:

CATALOG STOCK NO.	Page No.	Quantity	DESCRIPTION	Price Each	Total Price Add This Column	Do Not Use

TERMS: Our terms are cash. All trade and cash discounts have already been deducted in our catalog quotations. We reserve the right to hold an order accompanied by personal or company check until after check clears the banks. All prices are net, f.o.b. shipping point.

Please allow for shipping charges. Items over 50 lbs. shipped via truck-freight collect. Consult your local motor freight office.

IMPORTANT. Any correspondence not connected directly with this order should be placed on a separate sheet. This will speed handling of both order and letter.

HOW SHALL WE SHIP

- ☐ PARCEL POST
- ☐ BUS
- ☐ FREIGHT
- ☐ AIR
- ☐ BEST WAY
- ☐ UPS

Include sufficient money for postage. We refund unused amounts. Please send cash by registered mail only.

FILL IN AMOUNT ENCLOSED

Money Order		
Cash		
Check		
Credit Memo		

PLEASE DO NOT USE THIS SPACE

CREDIT CARD NAME

☐ VISA/BANKAMERICARD
☐ MasterCard

NUMBERS ON CREDIT CARD

LETTERS AND EXPIRATION DATE-BANK NAME

TOTAL FOR GOODS			
STATE TAX (Ohio)			
For Postage and Insurance			
Due from Previous Order			
TOTAL			

MINIMUM ORDER $5.00

RELAYS

DELTROL 105ML MAGNETIC LATCHING RELAY, one SPST norm open; other SPST norm clsd. Actuates 15 VDC min. Octal base. 2x3¼x2, removed $3.95

6PDT 26 V RELAY, 2 AMP 200 OHM, #0823, UNUSED, $1.50

6PDT 48 V RELAY, 2 AMP 3700 OHM, #MHX-6083, USED, $1.00

MHX-2032 26.5 VDC 2PDT 325 OHM 2 A. 1¾x5/8 $.75

5945-583-8378 26.5 VDC 1½x1 6PDT 225 OHM PLUG-IN N$1.50

AGASTAT TIME DELAY SF-22HS, DPDT 28 VDC COIL, 0.3 SEC. ADJUSTABLE. SIZE 2x3⅛x2 PRICE: NEW $3.95

WESTERN ELECTRIC POLAR RELAY D163119A (255A) SIZE: 6x2⅝x2⅝ WT. 4 LBS. PRICE: $2.50

---

115 VAC SPDT OCTAL BASE KR-5736 $1.95

115 VAC DPDT OCTAL BASE KR-5737 $2.50

4PDT 120 VAC, 3 AMP CONTACTS; 28 VDC 3 A RES. PLUG-IN SOLDER. ⅝x1x1½, #KH4695, $1.50

4PDT 24 VDC, 120 VAC 3 A 24 VDC 3 A RES. CONTACTS. PLUG-IN SOLDER TYPE. ⅝x1x1½, #KH-4703, $1.75 EA.

PLATE RELAYS

CLARE#	OHMS	CONTACTS REG.	CONTACTS OPEN	CONTACTS CLOSED	CURRENT OPERATE	CURRENT RELEASE
A-102627	3500	4PDT	2PST	-----	11 MA	3 MA
A-211261	5000	SPDT	4PST	2PST	12 MA	4 MA
C-211261	6000	SPDT	4PST	2PST	10 MA	5 MA

ALL ABOVE RELAYS SAME SIZE 1x1½x1½ $1.00 EA.

#DOUX-2055, 4-SPST n.o.: 1-24 VDC 1 A.; 2-120/240 VAC 20/10 A; 1-120/240 VAC 10/5 A. 24 VDC 230 coil NEW $8.

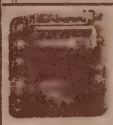
POTTER & BRUMFIELD KHP17D11 4PDT 12 VDC relay; gold-flashed silver contacts rated 3 amps. Nylon cover. For solder or socket mount. NEW, $3.50

ASCO VALVE, AIR ORFICE/PIPE 3/8" 120v 60HZ 6 WATTS. #6030B10 NEW $5.00

MINITURE RELAY 24VDC 180OHM DPDT, 7/8x3/8x3/8, GE3SV125 9A2; 5945-739-2162 $2.00

MINITURE PLUG-IN, 28VDC, 60C OHM, DPDT 2 AMP. FILTORS 106C 6555-1; #5945-987-8401 $3.00

MAGNACRAFT SPDT, 12 VDC 10 amp contacts, 100 ohms. Open frame; 1⅝x1⅛x1. #88X-150A NEW $2.50 ea.



SENSTIVE RELAY, 6 VDC, ONE POLE MAKE AND BREAK. 600 OHMS. 2½x2⅛x1⅛. #ZA/CAN1304 PRICE: $1.00

SENSITIVE RELAY BX-14 DPST 1 NORM. OPEN 1 NORM CLOSED 48 VDC 1 A. OPERATING VOLTAGE 2.9 V 750 OHMS D.C 2⅛x2⅛x1⅛; 2Z7588-23 $.75

TYPE AS BK35, SPDT 6-12 VDC 1500 OHMS, CONTACT ADJUST. 2⅝x2⅛x2¼. #RM39-1901 $.75

LEACH P-3 SPDT relay, 1"sq. 320 ohm, 12 VDC. Used, $1.

COLLINS relay #4050D17-00 115 VAC 320 ohm 3PST; 2x2 x2. #5945-502-9095, new $3.

MERCURY RELAY, DURA KOOL #BEV-106, COIL 24 VDC .1 A. CONTAC 120 D.C 6 A. NORMAL OPEN, 1.3 SEC. OPERATE. SECONDS RELEAS 0, MTG. SIZE 4½x2⅝ S.P.S.T. PRICE: $1.95

HEDIN RELAY #100-BH S.P.D.T. 5 AMP. CONT. 4 OHM COIL. $1.50

GUARDIAN RELAY, DPST norm open; 230 VAC 25 amp contacts, 24 VDC 96 ohm coil. 2½x2¼x2, #A410, NEW, $3.95

AN-ART-13 RELAY K-2701 DPDT; 12 AMP 28 VDC COIL. 115 OHMS RES. 3x2x1⅝ 4oz. PRICE: USED $1.95

TCS RELAY SAME STYLE AS ABOVE USED IN POWER SUPPLY 12 VOLT D.C RES. 67 OHMS. DPDT- SPST NORM OPEN. LEACH#1077 RE-MOVED $2.00

DYNAMOTOR STARTING SELENOID TYPE RELAY 12 V DC OPER. 20 AMP DC CONTACTS. SIZE: 3x2x2; 1 LB FRANZ-12 USED $1

ROWAN CONTACTOR, TWO POLE CONTACTS RATED 15 A 250 VAC, 10/15 A 100/50 VDC. COIL VOLTAGE 100/115 VDC. 3-3/8x2⅜ x2½. ROWAN #FE20, USED, $2.

RELAY 1PDT & 1PST, CONT. 28VDC 1A. MAX. PICK UP .9MA, DROP-OUT. 1MA. 16000 OHMS OCTAL BASE. SIG#80110 $8.95

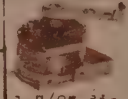
SPDT, SINGLE BREAK, 28 VDC 1 A. CONT. 800 OHMS DC COIL, 3MA PICK-UP, 1.5 MA HOLD, .75MA. MIN. OCTAL BAS SIG#77912 $2.95

ADVANCE SEALED RELAY 3 STUD MOUNTING, SOLDER TERMINALS. SIZE: 1½x2x1½; 2 oz. PT#420-68-0211; 4PDT, 26.5 VDC, RES. 325 OHMS, 2 AMP. CONT. $1.50

PT#8797-1 26.5 VDC, 2 AMP. CONT. 200 OHMS, 3PST NORM. CLOSE, 1PST NORM. OPEN $1.50

PT#420-68-5530; 26.5 VDC, 2 AMP. CONT 425 OHMS, 3PDT SPEC. #B8788-1 $1.25

GE#3SBW1001A2 SPDT 9.6-15.8 VDC relay 206 ohm coil; used in GE mobile transceivers. F/solder or socket connections. 1x1 x⅝. New, $1.50. 24/$25.00

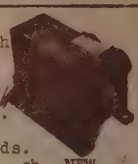


ROTARY RELAY, 28 VDC; single wafer, no unused contacts. Shaft has 2" arm. 2x 1-7/8" dia. #8002-32, $1.50

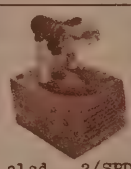
#310/MK-II, 12 VDC coil w/ 2/SPDT 10 amp, 1/SPDT 3 amp and 1/SPST n. clsd. 3 amp contacts. 2⅝x2x⅞, Used, $3.

#76-3; 28 VDC rotary relay, 3PST n. clsd. Used, $1.50

#78RR; 28 VDC rotary relay coil only. No switch or w/ broken wafers. Used, $1.00



DUAL SPST MERCURY RELAY with normally open contacts rated 35/20 amps 115/230 VAC 1.5 HP. Coil 48 VDC. Heavy wire leads. 3x3⅜x2⅝, 3 lbs. sh. NEW. Adlake #1123-100-30, $7.50



ART-13 KEYING RELAY & SPDT VACUUM SWITCH w/two 28 VDC 27 ohm coils in series; contacts 3/SPST n. open, 1/SPST n. clsd., 2/SPDT rated 8 amps. 3x4x5. #K102/S116, used, $9

ROWAN CONTACTORS COIL 110v 50/60HZ FULL LOAD RUNNING CURRENT 10 AMP. LOCKED ROTOR CURRENT 60 AMP. 600 V. MAX.

532934 3 POLE USED $4.95
532935 4 POLE USED $5.95

CATALOG STOCK No.		Page No.	Quantity	DESCRIPTION	Price Each		Total Price Add This Column		Do Not Use

LEDEX ROTARY SELENOIDS w/o wafers 28 VDC, 12 pos. #S-6736 f/1⅛" dia wafer; 4½" sh. $4
#S-6851 f/1-3/8" dia. wafer 5" lg. shaft. Unused $3.50

POTTER & BRUMFIELD AC RELAYS, OPEN FRAME, STYLE KA. 3PDT 5 A CONTACTS MOUNTED IN METAL CASE. 2½x1-3/8x1-3/8.
#5323 24 V 50-60 Hz, $2.00
#5327 24 VDC $2.50

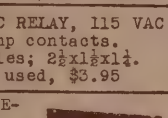
OPEN FRAME, SPDT 5.5-7.5 VAC COIL; CONTACTS RATED 5 A 115 VAC. 1¾x1x1-3/8
#5945-233-1398, $1.25

ALLIED CONTROL T255X-18, COIL 115 VAC 2580 OHMS. GOLD-PLATED DPDT CONTACTS RATED 5 A 29 VDC. ¾x-7/8 x1-3/8. UNUSED, $3.00 EA.

4PDT RELAYS, 110 VDC, heavy contacts. 2x2x1¼. Removed. #DOX187T, 5000 coil, $2.00
#DOX137T, 24 VDC 230Ω $1.50

DPDT CERAMIC RELAY, 115 VAC 60 Hz, 10 amp contacts. Various styles; 2½x1½x1¼. #CER-2P-10, used, $3.95

TIME DELAY/SEQUENCE RELAY, has 3-SPDT & 1-DPDT 12 VDC 6 A. relays. Delay sequence ON/3.5s/5.0s/10 sec. Solid-state w/24 V 1 amp transformer, 250 mfd 50 VDC cap. 115 VAC 60 Hz input. 7¼x3½x3¼, 3 lbs sh. #140-P197C $9.95



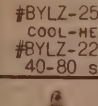
SIGMA DC RELAYS; OPEN-FRAME, 2 AMP CONTACTS, 1¾x2½x1½ REMOVED F/EQUIP.
#41F500S-SIL, 6 VDC, $1.00
#41F1000S-SIL 12 VDC, $1.50

BK-27A TELETYPE RELAY USED w/BD-100 SWITCHBORD UNIT HAS 2 RELAYS w/DUAL COILS 150 OHMS EACH w/IDIA CONTACTS THAT CAN BE ADJUSTED FROM INSIDE AND OUTSIDE OF THE BOX FOR EAST WEST TRANS. CONTROL. NEW SIZE: 6x4x3½: 4 LB. $3.95

STEPPING RESISTOR BANK, 100K ohms in twenty 5K steps; 20 W. good foundation for tester. 5¼x3 5/16" dia shaft. 3 lbs. #2Z7281.3, $3.95

DIMMER CONTROL TYPE A-4 667498 150 OHM 50 WATT 2⅜ MTG. HOLES, w/KNOB 2 LBS. $2.50
MATCHING PLUG $1

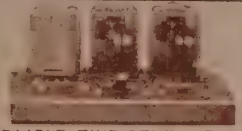
#BYLZ-2504; DUAL 70 /80 , COOL-HEAT SCALE, $2.95
#BYLZ-2292; DUAL 300 OHMS, 40-80 SCALE, $2.95



WESTON SENSITROL RELAYS MODELS 723 AND 705; 3⅛" ROUND. USED $4.95 EACH SPECIFY:

RANGE	MODEL
80% TO 120% VOLTS DC	723
90% TO 110% VDC	723
95% TO 105% VDC	723
110% TO 100% VOLTS AC	705
100% TO 90% VAC	705

LEDEX HEAVY DUTY SELENOID w/o wafers; 8 pos. 26 VDC 35 W cont., 115 VDC 700 W 1/20 duty. 3¼x2⅝ dia. 3/8" dia shft. #S-8210-025, $7.



VARIABLE TIME DELAY RELAY DPDT 120 VAC 10 A RESISTIVE CONTACTS; USES EXTERNAL RESISTOR--VARY DELAY FROM 1.0 TO 120 SECONDS. PLUG-IN TYPE, 2x1-3/8x1⅝. NCR-REMOVED WITH SOCKET. P & B #CUF41-70120, $3.95

P & B 3PDT PLUG-IN TYPE RELAY WITH 24 VDC COIL. 120 VAC 10 A. CONTACTS. #KUP14D15, w/SOCKET, $2.95

AC CONTROL RELAY, 120 VAC COIL; SPST N. OPEN 10 A. AND SPST N. CLSD. 10 A. CONTACTS. SEALED CAN, SOLDER TERM. 3 STUD MTG. 2¾x 1¾x1⅝. #7321/6717, $2.50

LOW CURRENT RELAY, 13 V. MIN.; 2500Ω, SPDT 10 A. CONTACT; USABLE F/ALARM CIRCUIT W/LOW STANDBY CURRENT 2x2x1; P&B#LM-1600-1 $3.95

RHEOSTATS

RHEOSTAT VALUES: FIRST SET OF NUMBERS AFTER RHEO-PREFIX IS THE WATTAGE. YOU INDICATE DESIRED OHMS IN SECOND SET. SCD= SCREWDRIVER ADJUST.

#RHEO-25W-(OHMS), $1.00 EA

1	2	5	6	7
10	12	15	25	35
50	55	60	75	100
125	130	165	175	200
250	300	350	400	500
600	1K	1500	2500	3500
5K				

#RHEO-50W-(OHMS). $1.50 EA

1.5	2	5	6	
8.5	10	12	15	
16	17	17.5	20	25
30	35	40	45	50
60		80	90	100
124	150	200	220	225
350	500	1K	5K	

#RHEO-75W-(OHMS), $2.00 EA
10 15 25 75
(30-DUAL, $3.00)

#RHEO-100W-(OHMS), $2.50 EA

5	6	7.5	
20	100	350	1500
3K	3500-SCD		

#RHEO-150W-(ohms), $3.00 ea
15 16 25 35 40 410
750 2500 (245-dual, $5.)

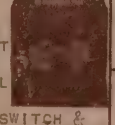
#RHEO-300W-(ohms), $6.00 ea
32 1500 (13.2-dual, $9.)

#RHEO-500W-(ohms), $10. ea.
80 (72.7-dual, $15.00)

#RHEO-750W- 720 ohms, $15.

1KΩ DUAL HELIPOT, 3 turns; 2x2x2¼. #827-2588, $4.95

10KΩ HELIPOT, 1%, 3 turns; 1⅝x1¼. #446-49-2018, $2.00



RHEOSTAT CONTROL UNIT FOR HEATED CLOTHING; 100 WATT 5.75 OHM RHEOSTAT MOUNTED IN CONTROL BOX WITH INDICTOR KNOB ALSO ON/OFF SWITCH & DUAL LOCKING TYPE SOCKETS FOR INPUT AND CONTROLLED OUTPUT VOLTAGES. SIZE: 5x4x2; WT: 3 LBS. TYPE C-IC UNUSED $2.95

STEPPING SWITCH 115 VAC 60 Hz ratchet-type unit that can be wired to make upto seventeen contacts with electric reset. Size: 4¼x3½x2½, 2 lbs sh. Miller #109S288 $2.95

CRYSTALS

FT-241 CRYSTALS f/BC-604 & -684, channels 21-39. No choice, 3/$1. Choice, $1.50

465 Khz CRYSTAL, resonator-type filter as used in BC-794, BC-1004 etc. $1.50

200 KHZ CRYSTAL in octal type tube holder, $3.50

JK-02 CRYSTAL OVEN FOR CR-26 CRYSTALS, OPERATES FROM 6.3-24.2 V. AC/DC, OCTAL BASE.
MOTOROLA #2518I001 FOR ONE CRYSTAL AS USED IN R-394-257 RECEIVERS. $1.95
MOTOROLA #2518I003 FOR TWO CRYSTALS AS USED IN T-278-208 ETC. TRANSMITTERS $2.50

CRYSTAL DIODES 1N-21 1N-32 $1.00 EACH 6 FOR $5.00

1000 Khz CRYSTAL, temp. coeff. 0.0001% (±10 Hz)/°C. Octal base; f/BC221-TS323-LM21 freq. meters. Socket wiring may be changed. $12.

CIRCUIT BREAKER

AIRCRAFT BAT HANDLE TYPE LUMINOUS TIP 24 TO 30 VDC

STK#	AMPS.	PRICE
AN-3160	5 AMP	$1.25
AN-3160	20 AMP	$1.25
AN-3160	25 AMP	$1.25

AIRCRAFT PUSH BUTTON TYPE 24 TO 30 VDC

AN-3161	5	.75
AN-3161	10	.75
AN-3161	15	.75
PM-40	40	.75
AN-3161	50	.75

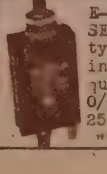
HEINEMAN MODEL AM12HK CIRCUIT BREAKERS, 2¾x⅞x2½.
12 VDC 4 AMPS, $1.25
50 VDC 3 AMPS, 1.25
50 VDC 5 AMPS, 1.35
50 VDC 40 AMPS, 1.50
115 VAC 60 Hz, 1.5 A, 1.00

AIRPAX 112R, 240 V. 400 Hz 10 AMP DELAY A SPEC, $5.00

HEINEMAN #JA2-A8-A, 240 VAC HOLD 17 A, TRIP 21½ A, $2.

115 VAC 60 Hz; 3⅝x1x2⅜.
#3H900-1.25, 1¼ AMP, $1.00
#3H900-3-2, 3 AMPS, 1.00
#3H900-4-5, DPST, 4 AMPS; 5¼x3⅛x2, USED, $1.95.

P&B #375-207-101, 7 amp 250 VAC or 32 VDC max. Recessed button. ½x1½x1⅝. NEW, $1.25



E-T-A CIRCUIT RESET push switches, type 45-700-F. Fits into 3/8" hole; requires 2" depth. O/A 1¾x2¾x⅝; Used. 250 VAC 5 amp, $2.
" " 15 A, $2.50

BOOKS & TECH MANUALS

$3.00 EACH
BC-191
BC-375
PP-867,-868
-869
PP-281,-282
-494
PP-845

$8.50 EACH
BC-669/ REPRO
PP-638
T-14/R-19
TS-175 REPRO
TS-352 REPRO

BC-779,-1004 orig. $10
TCS-12 RE-PRO, $12.00
BC-624, -625; PART OF SCR-522/542, REPRO, $12.00

$5.00 EACH
BC-312,-342
BC-603,-604
BC-652,-653
BC-683,-684
BC-659
BC-1000
BC-1335
PP-804
PP-109,-112
PRS-3
I-49
I-72G-K
I-129B
I-208
BC-221-AH ONLY
HALLICRAFTERS S-20R
SX-28
S36

ABBREVIATIONS: I.B.=INSTRUCTION BOOK; H.M.I.=MAINTENANCE INSTRUCT.; O.I.=OPERATING ONLY; REPRO=REPRODUCTION INCLDG. THE ABOVE; W.S.=WITH SCHEMATIC; N.S.=NO SCHEMATIC

ARC-27, -55	O.I./N.S.	$3.00
ARC-60	I.B./W.S.	8.50
ARN-12	I.B./W.S.	5.00
ARN-59	O.I/N.S.	3.00

ART-13 TRANSMITTER REPRODUCTION ONLY, OPERATING, SCHEMATICS, MAINTEN. $12.
AN/GRC 3-8, VRC-13-15, VRC 16-18 COVER ALL OF THE SAME TYPE EQUIPMENT I.B/WS $8.50

GRC-9	I.B./W.S.	8.50
GRC-19	I.B./W.S.	10.00
GRC-26	I.B./W.S.	8.50
GRR-5	I.B./W.S.	7.50
PRC-6	I.B./W.S.	7.50
PRC-9A-10A	I.B./W.S.	7.50
VRC-19	I.B/W.S.	8.50
	w/R-394/T-278/DY-93 98-100/PP-867-8-9	
RT-67-68-69	I.B./W.S	$5.00
RT-70	I.B./W.S	5.00
R-108-109-110	" "	7.50
R-274	REPRO/W.S.	$12.00
R-390A	I.B./W.S.	12.00
R-392	I.B./W.S.	10.00
R-394	I.B./W.S.	7.50
R-257	I.B./W.S.	7.50
T-278	I.B./W.S.	7.50
T-208-417	I.B./W.S.	8.50
DY-93-98-100"	"	3.00

ARC TYPE 12 RADIO SET 8.50 COVERS R-10-11-15-19 T-11-13 & ACCESSORIES SIMILAR R-508-509-R-22 AND OTHERS. H.MII/W.S.

AN/GRC-10, 39, 40; covers R-125, T-235, C-632, $8.50

FGC-20 & 21 contains TT-98, -99, -100 and PP-978, $10.

SCHEMATICS

REPRODUCTIONS OF SCHEMATICS $1.50 AND UP. WRITE F/QUOTE

SP-600-JX	REPRO/W.S.	$10
R-388 (51J4)	REPRO/W.S.	$10
R-220/URR-29	I.B./W.S.	$10
BC-348-R OR Q	REPRO/WS	$10
CV-157/URR	REPRO/W.S.	$15
AN/USM-105	I.B./W.S.	$17
AN/USM-140	I.B./W.S.	$17
AN/URM-80	REPRO/W.S.	$10
TS-510/USM-44	REPRO/WS	$10
TV-2	REPRO/W.S.	$10
TV-7	I.B./W.S.	7.50
ME-26	I.B./W.S.	8.50
FR-5/URM-80	I.B./W.S.	8.50
TS-148/UPM-33	I.B./WS	8.50

R-520, mil-Zenith Transo $6
AN/ARC-44, I.B./W.S. $8.50
AN/TRC-8, R-19/T-14, $8.50
AN/MRC-55, contains R-808, T-631, PP-1171/GRC-14, $20
BC-221, f/most models $7.50
TS-497B, I.B./W.S., $8.50

TEKTRONIX tech manuals:

TEK CA	$7.50	TEK G	$6.00
H	6.00	L	6.00
W	6.00	1A1	7.50
1A2	7.50	1A4	7.50
1A5	7.50	82	7.50
130	5.00	131	5.00
132	5.00	453	8.50
556	8.50	HP-400D	6.00

MAGAZINES

We carry current issues of these magazines:
CQ $2. QST $2.50 73 $2.50
BYTE $2.50 Ham Radio $2.
Ham Radio Horizons $1.50
Kilo-Microcomputing $2.50

ARRL BOOKS

1980 RADIO AMATEUR'S HANDBOOK $10
SOLID STATE BASICS f/amateurs $5.
SOLID STATE DESIGN f/amateurs $7.
ANTENNA BOOK, theory and instruction on antennas, $5.
ANTENNA ANTHOLOGY, articles from QST on antennas, $4.
LICENSE MANUAL, a study guide for the novice, $4.00
UNDERSTANDING AMATEUR RADIO, an introduction, $5.00
A COURSE IN RADIO FUNDAMENTALS, structured intro. $4.
OPERATING GUIDE, $4.00
V.H.F. MANUAL f/QST, $4.
FM & REPEATERS f/QST, $5.
SPECIALIZED COMMUNICATIONS, incldg. SSTV, FAX, $4.00
SATELLITE COMMUNICATIONS, articles and OSCAR, $4.75
ELECTRONICS DATA BOOK, circuit collection f/radio $4.
LEARNING TO WORK WITH IC'S, learn by doing, $2.00
HINTS & KINKS, $4.00
SINGLE SIDEBAND f/QST, $4.
L/C/F CALCULATOR, $5.00

PRACTICAL ANTENNAS for the Radio Amateur, easy-to-read text, big diagrams on antenna "how to's", $9.95

VINTAGE RADIO

VINTAGE RADIO 1887-1929, pictoral story of radio's early years; 1000+ pictures, $8.95
A FLICK OF THE SWITCH 1930-1950, sequel with TV, $8.95
MOST-OFTEN-NEEDED 1926-1938 RADIO DIAGRAMS, reprint of Beitman's book of 600 old radio schematics, $7.00

MOTOROLA SEMICONDUCTOR Data Library (1973), info on 1N-2N-3N-4N types, $1.50

TI SEMICONDUCTOR MEMORY BOOK (1975), 272 pp, $1.00

U.S. ARMOR COMMUNICATIONS ELECTRONICS DATA (book), July 1973; descriptions of mil-radio equipment, $3.

WEEKEND PROJECTS for the radio amateur, Vol. 1; 34 short projects collected from QST (1979), $4.95

TOOLS & TECHNIQUES FOR ELECTRONICS by A.A. Wicke; info on deciding upon the right tool for the job and techniques. (1979), $4.95

RTTY from A to Z, $5.00
NEW RTTY HANDBOOK, 3.95

THE LOW & MEDIUM FREQUENCY RADIO SCRAPBOOK by W2LMB, $6.95; ADDENDUM 77/8 $3.95

ART-13 TRANSMITTER

T-47/ART-13 TRANSMITTER; THIS WELL-KNOWN UNIT HAS AN UPPER FREQUENCY RANGE FROM 2000 TO 18,000 KHZ. TRANSMISSION AT LOWER FREQUENCIES FROM 200 KHZ POSSIBLE WHEN THE PROPER OSCILLATOR AND LOADING COIL ARE USED (PRICED SEPARATELY BELOW). AUTO- OR MANUALLY TUNED. TRANSMITS CW, MCW, AND AM VOICE; 90 WATTS POWER OUTPUT. CONVERSION INFO IN CQ Surplus Conversion Handbook. WITH TUBES: 2/811, 813, 837, 2/1625, 12SJ7, 12SA7, 2/12SL7, AND 2/6V6. POWER REQUIRED: 28 VDC 10 AMP; 400 VDC 225 MA, AND 1250 VDC 250 MA. 23⅜x16x11½; WT: 70 LBS. USED, $49.50

28 VDC DYNAMOTOR FOR ART-13, USED, $14.95

MANUAL FOR ART-13, PARTIAL REPRODUCTION, $12

CONNECTOR PLUGS FOR ART-13: U-7, U-8 FOR TRANSMITTER; U-9, U-10 F/DYNAMOTOR, WRITE.

O-16/ART-13 LOW FREQUENCY OSCILLATOR, 200 TO 500 KHZ OR 600 TO 1500 KHZ, USED, $17.95

CDA-T CRYSTAL OSCILLATOR F/ART-13B; CRYSTAL-CONTROL FOUR CHANNELS OVER 300-500 KHZ, FITS IN SET. USED, $9.95. CONNECTORS (2), $1 EA.

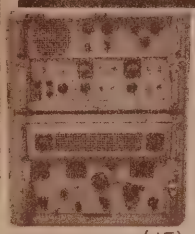
AUTOTUNE HEAD f/ART-13, multi-turn with 0-100 dial, mech. counter, dial lock. #COL23518, $2.

AUDIO SPEECH AMP F/ART-13, #2C254, USED, $6.

SA-22/ART-13 ANTENNA SWITCHING UNIT; W/BENDIX LM-26G VACUUM RELAY. 10 LBS. UNUSED, $6.

C-87/ART-13 PILOT'S CONTROL BOX, UNUSED, $3.

2-32 MHZ SSB RECEIVER



AN/FRR-59A TRIPLE CONVERSION SSB RECEIVER WITH FULL CARRIER SUPPRESSION FROM 2 TO 32 MHZ IN FOUR BANDS: (2-4) (4-8), (8-16), AND (16-32) MHZ. RECEIVES LSB, USB, AM, CW, AND MCW SIGNALS; LSB AND USB RECEPTION POSSIBLE SIMULTANEOUSLY OR SEPARATELY. INCREMENTAL OR CONTINUOUS DIGITAL TUNING IN 0.5 KHZ STEPS. INTERMEDIATE FREQUENCIES (IF): 1625-1725 KHZ, 220 KHZ, AND 80 KHZ. BUILT-IN 1 MHZ CRYSTAL CALIBRATOR. AF LINE OUTPUT: 60 MW INTO 600 OHMS (MIN.); PHONE OUTPUT: 15 MW INTO 600 OHMS (MAX.). RECOMMENDED ANTENNA TERMINAL IMPEDANCE: 50 OHMS. USES 7- AND 9-PIN 6.3 V. GLASS TUBES. POWER REQUIRED: 105-125 VAC 50/60 HZ (250 WATTS). SIZE: 25⅝x22x24; SHPG. WT: 300 LBS. NET WT: 250 LBS. PRICE: USED, REPARABLE $375. CHECKED, $475.

AM-777 AMPLIFIER-DETECTOR, PART OF RT-128A/ARC-21 (2-24 MHZ) TRANSCEIVER. 1ST IF-1800 KHZ; 2ND IF-300 KHZ. REQUIRES 1800 KHZ SIGNAL INPUT AND 500 KHZ INPUT FOR MIXER AND TRIPLER STAGES. SLUG-TUNE ADJUSTMENT. WITH TUBES 4/5636, 3/5896, 3/5899, 3/6021, 5840, 5902, AND 5719. SCHEMATIC INCLD. 13½x2x3⅜, 5 LBS. SH. $10.00

1700-2400 MHZ RECEIVER

R-418/TRC-29 MICROWAVE RECEIVER WITH PP-690 AC POWER SUPPLY. FREQUENCY RANGE: 1700-2400 MHZ FM UTILIZING 27 PRESET CHANNELS. IF=120 MHZ; VIDEO OUTPUT: 30 HZ TO 4.5 MHZ, -3 TO +7 DBM, 158-500 MV-RMS. NOISE FIGURE: 14-16 DBM. 50 OHM ANTENNA INPUT. HAS TWO METERS FOR CIRCUIT TEST AND ALIGNMENT PROCEDURES. RECEIVER USES 6BM6 KLYSRTON OSCILLATOR AND 28 OTHER TUBES. POWER SUPPLY HAS 18 TUBES. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 19¼x19½x19⅝ (R-418); 12¼x19⅜x19⅝ (PP-690). SHPG. WT: 200 LBS. USED, $150. UNUSED, $200.00

T-303/TRC-29 XMITTER, 1700-2400 MHZ FM USING 27 PRESET CHANNELS. 120 MHZ IF. VIDEO INPUT/OUTPUT: 30 HZ-4.5 MHZ. WITH POWER SUPPLIES PP-764 & -689. 600 LBS. SH. LESS SLR-7 KLYSTRON. USED, $150. UNUSED, $200. SLR-7, $100. MANUAL W/PURCHASE OF SET, $20.

BC-348 RECEIVERS

BC-348 RECEIVER, 200 TO 500 KHZ AND 1.5 TO 18 MHZ AM AND CW IN SIX BANDS. FEATURES CRYSTAL FILTER, MANUAL AND AUTOMATIC VOLUME CONTROL, AND BFO. INTERMEDIATE FREQUENCY: 915 KHZ; OUTPUT IMPEDANCE: 300 OR 4000 OHMS. "Q" OR "R" MODELS SHIPPED ACCORDING TO AVAILABILITY. TUBE LINE-UP VARIES AMONG MODELS. SOLD LESS THE DYNAMOTOR POWER REQUIRED: 220 VDC 70 MA AND 24 VDC. SIZE: 18x10⅛x9½; SHPG. WT: 44 LBS. PRICE: USED, REPARABLE, $75. CHECKED, $99.50 GOV'T RECONDITIONED, CHECKED, $125.

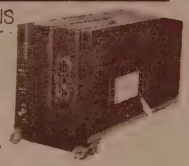
DM-28 DYNAMOTOR, 28 VDC 2 AMPS, USED, $8.95

115 VAC 60 HZ POWER SUPPLY W/SPEAKER, $27.00

PL-103 CONNECTOR PLUG F/REAR OF REC., 2.50

MANUAL FOR BC-348-Q OR -R, REPRODUCTION, $10.

RECEIVER-TRANSMITTER



RT-294A/ARC-44 RECEIVER-TRANSMITTER DESIGNED FOR AIRCRAFT USE IN THE FREQ. RANGE OF 24.0 TO 51.9 MHZ F.M. VOICE IN 280 PRE-SET CHANNELS. TRANSMITTER IS APPROX. 8 W. OUTPUT, 52 OHM LOAD, AIR TO GND. RANGE APPROX. 50 MILES. REC. AUDIO OUTPUT APPROX. 50 MW. ACROSS 150 OHM. 600 OHM HEADSET. MAY ALSO BE USED AS HOMING DEVICE FOR KEYED UNMODULATED OR CW SIGNALS. POWER REQ. 27.5 VDC 3 A. 150 VDC @ 85 MA., 300 VDC @ 125 MA., 27 V. 400 CYC. FOR BLOWER. WITH TUBES 9/5840, 7/5718, 4/5829, 3/5636, 2/5763, 1/5647, 1/5902, 1/6112 & 1/6BF7. SIZE: 7½x14x5¼; WT: 17 LBS. PRICE: USED, $19.95

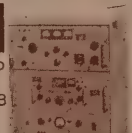
MANUAL F/ARC-44, $8.50 WHEN PURCHASED W/SET. SB-329 CONTROL BOX, USED, $3.95; UNUSED, $8.

TRANSCEIVER R.F. TUNER FOR COLLINS 618S-1. THIS SUBASSY. CONTAINS 1ST & 2ND R.F. AMP, 1ST & 2ND REC. MIXER, 1ST & 2ND TRANS. MIXER, I.F. AMP. DISCRIMINATOR, MULTIPLIER AND 2 DRIVER CIRCUITS. WITH TUBES 2/5654, 3/5749, 4/5750 & 2/5686. TUNNING IS DONE BY THE SLUGS MOVING IN AND OUT OF THE COILS, FREQ. RANGE 2-25 MC SIZE: 8x7x6½; WT: 10 LBS. #5821-547-5718/618S- PRICE: USED $14.95

ANTENNA COUPLER

CU-656 ANTENNA COUPLER, HANDLES UP TO EIGHT RECEIVERS IN THE 2-32 MHZ RANGE. GAIN: 0 TO 3 DB. NOISE FIGURE: 6 DB OR BETTER. HAS 0-50 MICROAMMETER TEST INDICATOR AND CIRCUIT SELECTOR SWITCH ON FRONT. 70 OHM INPUT; TYPE C CONNECTIONS. WITH TUBES 20/6922 AND 0B2. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 7x19x16½; SH WT: 40 LBS. USED, REPARABLE, $50.00

750 W TRANSMITTER



TMC GPT-750 SSB TRANSMITTER, 2 to 32 Mhz continuously tuned. Provides 750 watts AM, 750 W PEP-SSB and 1000 W CW and FSK. Same as AN/URT-17. Requires 115/230 VAC 50-60 Hz. 47x34x27, 750 lbs sh. Used, complete-not checked, $750.00

T-282/GR TRANSMITTER, single channel crystal-controlled in the 225-399.9 Mhz range; 100 watts AM output into 52 ohms. Uses three 4X150A tubes. Requires 115/230 VAC 50-60 Hz, +850 V, -850 V, +300 V, +250 V, and -100 V. 19x12¼x21, 200 lbs sh. Used, reparable $135.

MD-141/GR MODULATOR-POWER SUPPLY, provides modulation and all necessary voltages for T-282 from 115/230 VAC 50-60 Hz input. 19x12¼x21, 225 lbs sh. Used, reparable $115.

T-282/GR and MD-141/GR purchased as set $225.

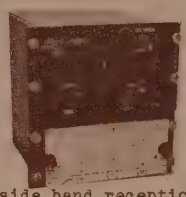
SSB TRANSCEIVER

RT-594/ARC-38A SSB TRANSCEIVER, 2.0 TO 25 MHZ FROM 20 PRESET CHANNELS; FREQ. INTERVAL: 500 HZ (2.0-7.25 MHZ) AND 1000 HZ (7.25-25.0 MHZ). HAS AUTOTUNE FROM CHANNEL TO CHANNEL. TRANSMITS SSB OR AM SIGNALS WITH MINIMUM PEAK OUTPUT OF 100 WATTS (2-14.25 MHZ) AND 90 WATTS (14.25-25 MHZ). ANTENNA TUNE POWER: 50 WATTS. CARRIER SUPPRESSION: 40 DB MIN. RECEIVES AM, DSB, AND SSB. SENSITIVITY: 1.5 U-V. FOR 10 DB (SSB); SELECTIVITY: 3 KHZ MIN. BANDWIDTH @ 6 DB DOWN; 8 KHZ MAX. @ 60 DB DOWN. CAN BE USED WITH FSK. UTILIZES A VFO, SPECIAL DISCRIMINATOR AND REFERENCE OSCILLATOR SUBASSEMBLIES. WITH 25 TUBES. POWER REQUIRED: 28 VDC AND 115 VAC 400 HZ. 600 VDC, 250 VDC, -50 VDC, -65 VDC AND 6.3 VAC. 115 V. 400 HZ FOR SELSYN ON PA INDUCTOR. SIZE: 15½x8x23½: WT: 65 LBS. PRICE: RT-594/ARC-38A, USED, REPARABLE, $135

618S-1/MC TRANSCEIVER MODIFIED FOR SSB. SIMILAR SPECS AS THE ARC-38A, USED, $99.95

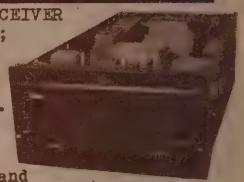
RT-311/ARC-38 TRANSCEIVER, SIMILAR TO THE ARC-38A, BUT WITHOUT SSB. USED, $75.00

COLLINS 618S-1 TRANSCEIVER, SIMILAR TO RT-311/ARC-38, BUT WITHOUT VFO. CRYSTAL-CONTROLLED AM RECEIVER. USED, REPARABLE, $49.50



C-1398/ARC-38 CONTROL BOX for control and frequency selection of ARC-38. Twenty preset channels or manual in 500 Hz steps. With code book. Most functions operable with ARC-38A SSB set except for function switch which would have to be disabled and provision for side band reception added. 7¼x5⅝x6, 14 lbs. Used, $16.95; Schematic, $2 if bought w/Box.

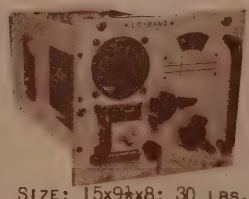
AIRCRAFT TRANSCEIVER



RT-524M AIRBORNE TRANSCEIVER mfg. by Aircraft Radio; covers 136.00 to 149.95 Mhz AM in 50 Khz crystal-controlled steps. 15 watts output. Has volume and squelch controls. Requires 24 VDC 6 amps. With tubes 8156, 2/8102, 6/6CW4, and 2/7587. Schematic not available. Size: 6½x3½ x14; 10 lbs. sh. Used, no cover, $54.95

REFERENCE GENERATOR

SG-323/TSM REFERENCE SIGNAL GENERATOR, USED IN DATA COMMAND SYSTEMS OF FLIGHT COMPUTERS. HAS 69 DIODE-TRANSISTOR LOGIC CARDS WHICH IN TOTAL CONTAIN OVER 300 2N404 TRANSISTORS. ALSO 32 DATA ENTRY SWITCHES PLUS SWITCHING FOR 16 PRESET MESSAGES. A AND B CHANNELS HAVE ODD-EVEN SELECTORS; EIGHT ADDRESS SWITCHES PER CHANNEL. TEST DISPLAY HAS INDICATOR LIGHTS NUMBERED 1, 2, 4, 8, 16, 32, & 64. OPERATING MODES: EXT AUTO, INT AUTO, AND MAN. MANUAL MODE SELECTION: 5 KC, NORMAL, OR ONE SHOT. IN ALL, 67 MINIATURE TOGGLE SWITCHES (MOSTLY SPDT) ARE USED. RCA MFG. POWER INPUT NOT KNOWN. SOLD AS "RECEIVED FROM GOV'T. NOT CHECKED FOR OPERATION." SIZE: 19x7¼x16¼; SHPG. WT: 65 LBS. USED. PRICE: W/CABINET, $55.00; LESS CABINET, $50.



AM-1955/GRC AMPLIFIER CONVERTER USED WITH R-1148/GRC-55 RECEIVER FOR 600-1000 MHZ BAND. 17 MHZ IF. HAS 115 V 60 HZ MOTOR AS PART OF AFC SYSTEM. WITH TUBES 2C40A, 2/5842, 5654, 1N21B, 1N21WE. 150 VDC AND 6.3 VAC REQUIRED. SIZE: 15x9½x8; 30 LBS. SH. USED, $50.00

AUDIO AMPLIFIER

AM-864/U AUDIO FREQUENCY AMPLIFIER IS A PEAK-LIMITING UNIT FOR AM AND FM BROADCAST OPERATIONS. MAY ALSO BE USED IN RECORDING AND SOUND SYSTEMS REQUIRING AUTOMATIC REGULATION OF PROGRAM LEVEL. INPUT AND OUTPUT IMPEDANCE BOTH 600 OHMS CT. GAIN: 36 DB (MAX.) POWER OUTPUT: 6 MW INTO 600 OHMS. DISTORTION: LESS THAN 2% @ 400, 1000 & 5000 HZ. SPEED OF AUTOMATIC GAIN REDUCTION: 0.05 SECONDS; RECOVERY TIME: 2 SEC. NOISE LEVEL: 40 DB BELOW 6 MW. FREQ. RESPONSE: FLAT WITHIN 1 DB FROM 100 TO 5000 HZ. WITH TUBES 2/6SK7, 6SQ7, 6SN7, 5Y3. RACKMOUNT. POWER REQUIRED: 115/220 VAC 50-60 HZ. SIZE: 7x8½ x19; WT: 30 LBS. PRICE: RE-COND. $24.95

AM-447 AUDIO FREQUENCY AMPLIFIER, VOLUME LIMITING TYPE, INSURES UNIFORM OUTPUT UNDER CONDITIONS WHERE THE RECEIVED SIGNAL LEVEL MAY VARY IN AMPLITUDE, ELIMINATING THE NEED FOR CONSTANTLY READJUSTING THE OUTPUT LEVEL. IT IS INTENDED TO BE USED RECEIVING EQUIPMENT, LINE AMPLIFIER OR AMPLIFY THE OUTPUT OF A MICROPHONE FOR MODULATING TRANSMITTING EQUIPMENT. INPUT IMPEDANCE 600 OHMS, OUTPUT IMPEDANCE 200 AND 600 OHMS, AUDIO INPUT: -10 DBM TO -10 DBM, FREQ. RESPONSE FLAT WITHIN 2 DB FROM 300 TO 3500 CPS.. GAIN: 34.8 DBM MAX. AUDIO OUTPUT 3 WATT HAS INPUT, OUTPUT AND PHONE JACKS ALSO VOLUME CONTROLS. WITH TUBES

POWER REQUIRED 115 VOLT 50/60 CYCLE. SIZE:7x12x14; (NO COVER WITH UNIT) WT: 23 LBS PRICES: USED SERVICEABLE $8.95 TWO FOR $15.00

VFO - EXCITER - MOD

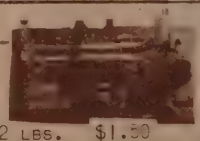
VFO-MASTER OSCILLATOR FROM THE T-195 TRANSMITTER; GENERATES FREQUENCY OF 1.5 TO 3 MHZ. HAS 5749 OSCILLATOR TUBE AND 5749 BUFFER-AMP TUBE. WITH ¼x3/16" DIA. SHAFT. 2⅝x3¼x7, WT: 5 LBS. VFO/T-195, REMOVED F/EQUIPMENT, $7.95

EXCITER STAGE FROM T-195, USED TO AMPLIFY VFO OUTPUT AND SUPPLY DESIRED TRANSMITTING FREQUENCY TO POWER AMP. SLUG TUNED IN RANGES (1.5-3), (3-6), (6-12), AND (12-20) MHZ. WITH TUBES 6AU6, 2/6AK6, AND 5763. SIZE: 4⅛x3⅜x8, 12 LBS. EXC/T-195, $14.95

MODULATOR F/T-195, DESIGNED TO PROVIDE PROPER AUDIO POWER TO MODULATE POWER AMP AND SUPPLY SIDETONE. 300 HZ AND 3500 HZ BANDPASS. W/TUBES 5726, 2/12AT7, 5814. LESS 4X150 TUBES AND SOCKETS. 8½x6x4½, 6 LBS. $10.95

TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING AN EXTREMELY LIGHT-WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS A 7533 INTEGRAL CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT: 1660-1700 MHZ, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2½" DIA. x 6"; OVERALL SIZE: 7¼x4x5½. SHPG. WT: 4 LBS. FRIEZ #3002, UNUSED, $9.95



T-69F/AMT-2 RADIOSONDE TRANSMITTER ONLY. F-2 EMISSION (FM) 390 TO 410 MC RANGE WITH TUBES 5703 AND 5910. REQUIRES BB-208 DRY CELL-BATTERIES (SOLD SEPARATE). SIZE: 6½x5x2½ WT: 2 LBS. $1.50

BB-208 DRY CELL BATTERY SET WT: 1 LB. $2.00

TCS RECEIVER

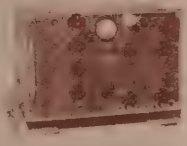
MANY TCS MODIFIER COVERS 1.5 TO 12 MHZ AM IN THREE BANDS; CONTINUOUS TUNING OR FOUR CRYSTAL-CONTROLLED CHANNELS. AUDIO OUTPUT: 1.5 MW INTO 500 OHM LOAD. WITH TUBES 2/12A6, 12SA7, 3/12SK7, AND 12SQ7. POWER REQUIRED: 220 VDC 100 MA AND 12 VDC SIZE: 11¾x11¾x13¾; SHPG. WT: 42 LBS. NET: 37 LBS. PRICE: USED, REPARABLE, $19.95 CHECKED, $50.00

TCS ACCESSORIES

TRANS. ANT. LOADING UNIT	USED	14.95
DYNAMOTOR P.S. F/REC & TRANS. 12V		14.95
REC. TO P.S. CABLE		4.95
TRANS. TO P.S. CABLE		4.95
CONTROL BOX TO P.S. CABLE		4.95
CONNECTOR PLUGS FOR ANY OF UNITS,	EACH	2.00
MOUNTING BASE W/ SHOCK MOUNTS		4.75
SHOCK MOUNTS ONLY	EACH	.75
NOISE LIMITER CONVERSION KIT F/REC		3.00
AC POWER SUPPLY 115 VOLT 60 HZ TRANS. REC. ONLY W/SPEAKER		40.00

FOR MORE INFORMATION PLEASE WRITE

BENDIX TRANSMITTER



BENDIX TA-12B TRANSMITTER, 40 WATTS OUTPUT CW, MCW, AND PHONE FROM 300 TO 600 KHZ AND 3000 TO 7000 KHZ. EACH OF THE FOUR CHANNELS HAS ITS OWN OSCILLATOR, OSC. TUNING, AND LOADING. 0-5 RF AMMETER MONITORS ANTENNA CURRENT. WITH TUBES 4/12SK7 AND 3/807. ORIGINALLY USED WITH MP-28B 24 VDC 15 AMP DYNAMOTOR-MODULATOR (NOT AVAILABLE). POWER REQUIRED: 24 VDC 3 AMPS, 260 AND 400 VDC EXTERNALLY MODULATED. SIZE: 10½x15x11; WT: 40 LBS. USED, $39.50

ANTI-FIRE ANTI-THEFT

FIRE CHEX AUTOMOTIVE ELECTRICAL SHUT-DOWN DEVICE; DESIGNED TO AUTOMATICALLY DISCONNECT A CAR'S, TRUCK'S, OR BOAT'S ELECTRICAL SYSTEM IN THE EVENT OF A COLLISION AND THUS SUBSTANTIALLY REDUCE THE THREAT OF FIRE IN AN ACCIDENT. BY USING THE INCLUDED 80" SPLINE SHAFT, FIRE CHEX MAY ALSO BE USED AS AN ANTI-THEFT DEVICE. WITH THE ENGAGEMENT OF THE SPLINE LEVER HIDDEN UNDER A DASHBOARD, THE POTENTIAL THIEF COULD NOT START A VEHICLE, EVEN IF HE OR SHE "HOT-WIRED" THE IGNITION. THE ENGINE WOULD NOT TURNOVER UNTIL THE OWNER DISENGAGED THE UNIT. WORKS IN 6, 12, OR 24 VDC SYSTEMS. WITH SPLINE, FUSED LINE, MOUNTING BRACKETS, AND WIRING INSTRUCTIONS. SIZE: 4⅛x4⅛x1¼; SHPG. WT: 6 LBS. UNUSED, $9.95

ANTENNA TUNER

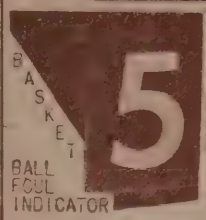
BC-939/TN-339 ANTENNA TUNER, used with 400 watt 2-18 Mhz BC-610 transmitter. Tuner covers range in bands 2-10 Mhz and 10-18 Mhz using two 100-turn counters and one 10-turn counter. Has three variable inductors, one each rated 103 uHy, 13.8 uHy, and 1.3 uHy. Also has 0-15 RF ammeter 3½" dia. and two fixed vacuum capacitors one rated 12 pf 20 KV, the other 55 pf 32 KV. Use the tuner as-is or adapt its components to your needs. BC-939 or TN-339 and grey or black units shipped as available. Size: 11¼x14⅛x23½, 75 lbs sh. Used, $85.00

GRAB BOX ASSORTMENT OF USED AND UNUSED MANUFACTURERS AND GOVERNMENT SURPLUS ELECTRONIC PARTS SUCH AS ASSEMBLIES, MOTORS, COILS, TRANSFORMERS, CHOKES, CIRCUIT BOARDS, CAPACITORS, RESISTORS, AND OTHER USABLE ITEMS. PACKED IN 50 LBS. CARTONS. $7.50 EA. OR TWO CARTONS FOR $13.00.

SHIPPED VIA UPS WITH FREIGHT CHARGES VARYING FROM $5 TO $16 PER CARTON. ALLOW FOR FREIGHT.

GRAB BOX IS GOOD FILLER TO TAKE ADVANTAGE OF MOTOR FREIGHT 150 LBS. MININUM WEIGHT RATES.

DIGITAL DISPLAY



DIGITAL DISPLAY: EACH UNIT WILL SHOW NUMBERS 0 TO 9 ALSO $ SIGN 3-3/16" HIGH ON 3½x4 SCREEN THAT CAN BE SEEN FOR QUITE A DISTANCE. OPERATES FROM 6.3 VAC. CAN BE ADAPTED FOR BASKETBALL FOUL INDICATOR BY PLACING ONE OVER EACH SCOREBOARD AND HAVE A CONTROL PANEL CONSISTING OF 5 SWITCHES AND TRANSFORMER AT THE SCORER'S TABLE.(WIRING DIAGRAM FURNISED ON REQUEST) CAN ALSO BE ADAPTED FOR USE AS A MOVING READOUT BOARD. SIZE: 3½x5½x11½: WT: 7 LBS. PRICES: $8.95 EA. 3 FOR $10.00

POWER AMPLIFIER

POWER AMPLIFIER ASSEMBLY removed from 225-400 Mhz transmitter; makes an excellent foundation for your power amp. Has oscillator section with 12AT7, 1st doubler (12AT7), buffer (12AT7), 2nd doubler (4X150), and a push-pull tripler with two 4X150's. Manual controls for crystal select, RF driver w/lock, and PA tuning w/lock. PA-grid and plate currents could be monitored by adding a 200 microammeter and switch. Silver-plated chassis includes heavy duty blower and tubes 3/12AT7 and 3/4X150A (6 v. fil.) 14x10x5, 33 lbs. #PA/T8D, w/schem. $65.

CAMERA MAGAZINE

35 MM RECORDING CAMERA MAGAZINE TYPE C-7, DESIGNED FOR AIRCRAFT CAMERA BUT CAN BE ADAPTED TO OTHER EQUIPMENT. UNIT ACCEPTS 35 MM FILM ON 2-5/8" DIA. REELS; HAS SPROCKETS, GUIDES, AND MARKED THREAD PATTERN. 1" DIA. DRIVE ASSEMBLY PARALLEL TO PICTURE PLANE. WITH COVERS FOR FILM COMPARTMENT AND MOUNTING FACE. 3-7/8x5¼x5¼; 8 LBS. SH. USED, $10.00

WIRELESS AMPLIFIER

WPT-2 TRANSISTORIZED WIRELESS AMPLIFIER BY FANON; DESIGNED FOR USE WITH CALL-ORIGINATOR BOX (NOT AVAILABLE) AS A PAGING/INTERCOM SYSTEM WITHOUT LINES. 4 WATTS PEAK. OPERATES FROM 115 VAC 60 HZ AND MUST BE IN SAME AC CIRCUIT AS THE CALLING BOX. USABLE WITH TWO 8 OHM SPEAKERS OR THREE OR FOUR 45 OHM ONES. MAY BE MOUNTED INDOORS OR OUT. SIZE: 4⅝x8⅛x3; SH WT: 5 LBS. UNUSED, W/INFO, 5.95

RADIAC SET AN/PDR-27

PORTABLE RADIATION DETECTOR CONSISTING OF IM-74 RADIAC METER ABD DT-53 DETECTOR PROBE WITH BS-1 GEIGER-MULLER TUBE. METER INDICATES AMOUNT OF BETA AND GAMMA RADIATION IN MILLIROENTGENS PER HOUR. RANGE SCALER FOR 0.5, 5, 50, AND 500 M-RTNGS/HR. BNC CONNECTION FOR HEADSET MONITORING. USES BATTERIES (NOT AVAILABLE) WHICH SUPPLY 135 VDC, 22.5 VDC, AND 1.5 VDC. SIZE: 8x6x12½; 15 LBS. SH. USED. REPARABLE, $19.95; TRANSIT CASE, $5; BOOK $5.

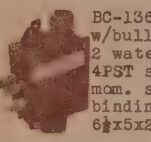
PORTABLE SIGNAL LIGHT

CANADIAN MORSE CODE SIGNAL LIGHT; MIRRORED REFLECTOR TILTED BY TRIGGER IN HAND GRIP, SIGHTING TUBE ON TOP, 4" CLEAR REPLACEABLE LENSES LISTED BELOW. TEN FOOT CABLE & 12 VDC 31 WATT LAMP. CAN ALSO BE USED AS SPOT LIGHT. COMES IN WOOD CARRYING CASE, 9x6½x8; 15LBS. CAN#5A USED $14.95

EXTRA INTERCHANGEABLE LENSES IN RED, BLUE, GREEN OR CLEAR TINT $1 EA. SET OF 4 $3

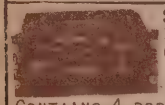
Control Boxes Filters Indicators Tuning Units Amplifiers

ALARM BELL OPERATES FROM 24 VOLT D.C. SIZE: 4½x4½x2½ WT: 1LB #561-3 NEW $1.95

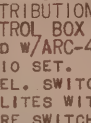


BC-1361 SWITCH BOX w/bullseye light, 2 water-proof conn 4PST switch, SPST mom. sw., and two binding posts. 6½x5x2½, 2 lb. $3.

C-345A/MRC-2 CONTROL BOX HAS VOLUME CONTROLS, PHONE & SPEAKER JACKS, FOR TWO RECEIVERS A & B. ALSO 2½ FT CORDS W/PL-68 PLUGS TO CONNECT THE UNIT WITH A & B. 6x3½x2 WT: 4LB PRICE: $3.95



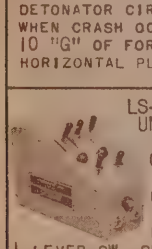
SB-329 SIGNAL DISTRIBUTION CONTROL BOX USED W/ARC-44 RADIO SET. CONTAINS 4 POS. SEL. SWITCH VOL CONT, 2 IND. LITES WITH 327 LAMPS, MINITURE SWITCHES ½x½x½ 3/SPDT, 1/SPDT & 1/DPDT ½x½x½. SIZE: 2½x5½x4½; 5 LB PRICES: USED $3.95 NEW $7.95



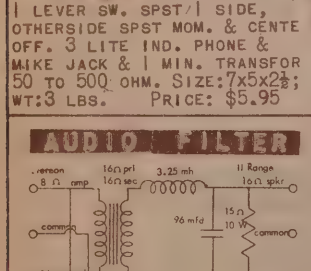
RM-52 Remote Control used for radio and intercom set. Has transformer, mic & phone jacks. Source for Phone Patch project. 7½x3½x5, 5 lbs. Used, $4.

MAR CONTROL BOX, contains 3-SPST switches, two phone & mic jacks (all waterproof) and one dual pot w/dial knob. 5½x5½x3, 3 lbs sh. #CMX-23429, unused, $2.00

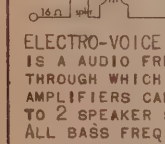
SA-3 IMPACT SWITCH SPST, 10 A. NORM. OPEN, USED IN AIRCRAFT TO TURN ON DETONATOR CIRCUIT WHEN CRASH OCCURS 10 "G" OF FORCE, HORIZONTAL PLANE. $1.95 EA.



LS-230 INTERCOMMUNICATION STATION CONTROL BX CONTAINS 3 ROTARY 3 POSITION LEVER CONT. SW 1 LEVER SW. DP DT CENTER OFF, 1 LEVER SW. SPST/1 SIDE, OTHERSIDE SPST MOM. & CENTE OFF. 3 LITE IND. PHONE & MIKE JACK & 1 MIN. TRANSFOR 50 TO 500 OHM. SIZE: 7x5x2½; WT: 3 LBS. PRICE: $5.95

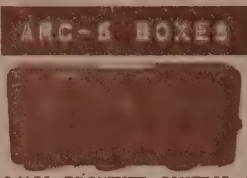


ELECTRO-VOICE FILTER EVXX3 IS A AUDIO FREQ. FILTER THROUGH WHICH TWO AUDIO AMPLIFIERS CAN BE CONNECTED TO 2 SPEAKER SYSTEMS. ALL BASS FREQ. BELOW 300 CPS ARE PASSED TO ONE SIDE OF THE SYSTEM WHILE THE HIGHER FREQ. ARE PASSED WITHOUT CHANGE TO BOTH SYSTEMS. IN A STEREO SYSTEM THIS ELIMINATES THE NEED FOR 2 FULL RANGE SYSTEMS. CAN ALSO BE ADAPTED TO OTHER USES. #EVXX3F 5½x4¼x5½; 8 LBS. NEW $2.95



APX-6 RF HEAD #A-403 with counters and antenna input. Uses tubes 2C42, 2C46, & 1B40. 8x8½x3, 6 lbs. Used-less tubes $5.

ARC-5 BOXES



BC-450 RECEIVER CONTROL f/ tuning upto 3 receivers. W/dials 190-550 Khz, 3-6 Mhz, & 6-9.1 Mhz; CW-off -MCW switches, volume controls, and phone jacks. 9½x5½x3, 3 lbs. Unused $8.

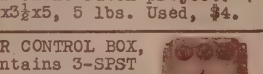
BC-451 SELECTOR, controls one to four xmitters; has tone-CW-phone switch and key, mic, & phone jacks. 4½x4½x2½, 2 lbs. Unused $3.

C-38 SELECTOR f/2 MHF and one VHF receiver, R-4/ARR2 receiver, and radio or interphone mic selection. Volume, pitch, sensitivity controls; CW-Voice switch; R-4 band select; and phone jacks. 9½x5½x3. Unused $5.

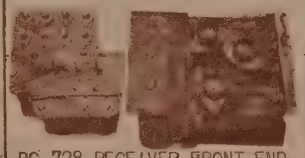
* * * * * * * * * * * * *

17 -DOLLAR DAZE- CONTROL BOX w/DPDT, DPST, & SPST switches and 3 pilot lights w/bulbs. $1.

REMOTE SIGNAL BOX indicates when Xmitter is tuned. W/3 push-to-test lights, DPDT center-off toggle switch, and a 24 VDC relay. 5½x4x2½, 4 lbs. sh. #RE-21/ARW-10, $2.50 ea.



SYLVANIA LAMP SOCKET STRIP 8 SOCKETS ½" CENTERS $1.00EA 28V LAMP 28PSB 30¢EA. 4/$1



BC-728 RECEIVER FRONT END ONLY; 2-6 MHZ., ANT., R.F., OSC., BAND SW. & PUSH-BUTTON ASSY. FOR 455 KHZ INPUT 4 CHANNELS PRESET FREQ. RANGES (A 2-2.6) (B 2.6-3.5) (C 3.5-4.5) (D 4.5-6.0) NEW 2C4728A/T4W/SCHEMATIC $5.95

RECEIVER PRE-SELECTOR ASSY. 230-250 F.M. CONSISTS OF RF MIXER & OSC. USING SPIRAL INDUCTUNER. FOR USE WITH 30 MHZ. I.F. TUBES REQUIRE 2/6AG5 & 1/9002. REMOVED FROM R-48 REC. 6x5½x4; 5LB LESS TUBES $5 WITH $9.00

EXPLOSION PROOF STEEL BOX FOR INTERPHONE HANDSET; MOUNTED ON REAR OF TANK. HAS HANDSET HOLDER, CONTROL BOX, INDICATOR LIGHT, HEAVY SPRING LATCH, AND CABLE CLAMP. SIZE: 14x10x6½; 35 LBS. SH. #BC-1362, $6.00

#873/TS-349 HEAVY STEEL BOX with latch for padlock. 8x7x3, 4 lbs. $2.50

CONNECTORS

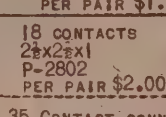
PL-58 AND JK-37 THREE PRONG PLUG AND JACK. PLUG IS KEYED TO PREVENT INSERTING PLUG BACKWARDS, 2x3x1½ $1.50 EACH

CONNECTOR PLUGS 15 CONTACT SIZE: 2½x1½x½ PER PAIR $1.50 P-601

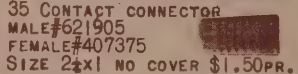
18 CONTACTS 2½x2½x1 P-2802 PER PAIR $2.00

35 CONTACT CONNECTOR MALE #621905 FEMALE #407375 SIZE 2½x1 NO COVER $1.50PR.

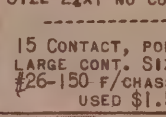
15 CONTACT, POLARIZED 3 LARGE CONT. SIZE 1½x½ AMP #26-150 F/CHASS. #151 W/CO USED $1.50



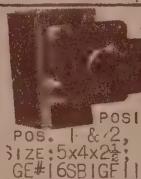
GENERAL ELECTRIC HEAVY DUTY MULTI-SWITCH FOUR CONTACT 3 POSITION & OFF. POS. 1 & 2, 2 & 3, AND 3&1 SIZE: 5x4x2½; WT: 3 LBS. GE#16SB1GE1IX4/SB-1 $4.95



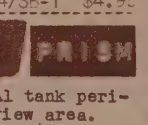
PRISM from M4A1 tank periscope. 5½x1½ view area. Peak around corners or use to direct light. O/A 6½x2½ x2, 2 lbs. Used $2.75 2/$5.



AIRCRAFT COCKPIT EXTENSION LAMP ASSEMBLY, No. B-7 USES STANDARD-2 CONTACT AUTO LAMP 5½' SPRING RETRACTABLE CORD W/DIMMER CONTROL AND ON-OFF SW. USED, $4.95

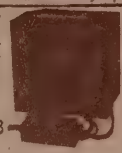


WILLARD PLASTIC STORAGE BATTERY 2 volt 28 amp-hour. Non-spillable; ball indicator. Dry charge; add electrolytic. May have hairline cracks. 4x5x3, 4 lbs. Reparable $3.



TL-29 ELECTRICIAN'S POCKET KNIFE, 2¾" high grade steel blade and 2¾" locking screwdriver blade. Handle size: ¾" W x 5/8" Th. 3¾" folded length. Rugged plastic sides. Camillus. $5.95

SYNTHESIZER IF & AFC DETECTOR ASSEMBLY WITH TWO STAGES 4.5 MHZ IF, ONE STAGE 450 KHZ IF, MIXER TRANSFORMER ETC. W/TUBES 3/5702, 5784, 5829, 5703. TWO UG-1051 COAX CONN., CRYSTAL SOCKET ETC. USED. 9½x3x3¾, 2 LBS. RD28105, $6



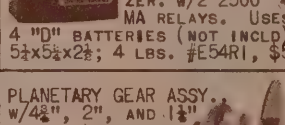
VO-6 OSCILLATOR CRYSTAL CONTROL 4.3 MHZ; VARIABLE 0-100 u-v OUTPUT. USED WITH VARIOUS SETS HAVING 4.3 MHZ IF. W/1T4 TUBE. REQUIRES 1.5 AND 67.5 VDC. 5x5x3¾, 5 LBS. USED $8

1-210 ALIGNMENT INDICATOR USED WITH VO-6. HAS 6E5 EYE TUBE FOR INDICATION ALSO CHECKS RESISTANCE TO 50K OHMS AND 0-4.5-6-30 V. REQUIRES 4.5 OR 7.5 VDC AND 60, 90, OR 150 VDC. 5¾x4½x2; 3 LBS. SH. USED $9

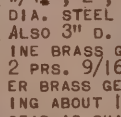
ME-40 MANUAL FOR ABOVE, $3.

CORNELL-DUBILIER DECADE CAPACITOR 5x3¾x2¾; 4 LBS. CDA5, .0001-.011 MFD., USED, $12. #CDC5, 1-10 MFD, USED, $16.

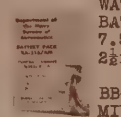
REMOTE MALFUNCTION ALARM BOX, -12 VDC APPLIED TO TERMINALS ACTUATES 6 V BUZZER. W/2 2500 4 MA RELAYS. USES 4 "D" BATTERIES (NOT INCLD) 5½x5½x2½; 4 LBS. #E54R1, $5



PLANETARY GEAR ASSY., W/4¾", 2", AND 1¾" DIA. STEEL GEARS. ALSO 3" D. MACHINE BRASS GEAR W/ 2 PRS. 9/16" D. OUTER BRASS GEARS ROTATING ABOUT 1¾" D. BRASS CORE GEAR AS SHAFT IS TURNED. $5

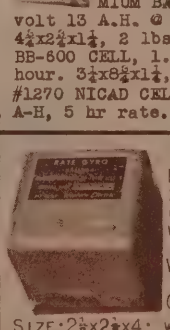


CURRENT TRANSFORMER FOR USE WITH AC AMMETER, MOLDED TOROIDAL CONST 200/115 V 400 CPS CURRENT RATING 500: 0.65 AMPS. 2½x2½x2¾ IN. 4 OZ, # 7499 $.75 SIMILAR TO ABOVE OPEN TORROIDAL. RATING 250: 2 AMPS 400 CPS. WEST. TYPE AVT-15A 3x3x1, 8 oz. $.75



WATER-ACTIVATED BATTERY BA-316/AM 7.5 and 114 volts. 2½x3½x3¾, $1.25

BB-652 NICKEL-CADMIUM BATTERY, 1.2 volt 13 A.H. @ 1 hr. rate. 4¾x2¾x1¾, 2 lbs. $6.00 BB-600 CELL, 1.2 V 34 amp-hour. 3½x8¾x1¾, used $12. #1270 NICAD CELL, 1.2 V 70 A-H, 5 hr rate. 8½x5x2, $2C



RATE-GYRO No.8511364 28 VOLTS D.C GYRO MOTOR WITH POTENTIOMETER. WESTERN ELECTRIC GA-10147--3 SIZE: 2¾x2¾x4; WT: 3LB. $4.95

WHEN CONNECTED TO 6-9 VOLTS AND A RELAY OF THE SAME VOLTAGE THE RELAY CAN BE ACTIVATED BY NOISE OR VOICE. UNIT CONSISTS OF CRYSTAL MIC. TRANSISTOR, SCR 2 CAP. 3 RES. AND A TRIMMER POT. FOR ADJUSTING SENSITIVITY. W/SCHEMATIC/LESS BATT AND RELAY. SIZE: 1¾x1; 2 OZ.

LEE#5355, $1.00 EACH.

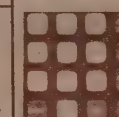
INDICATOR N-S E-W W/GEAR TRAIN, INNER & OUTER DIALS COUPLED TO 20,000 OHM 1% POT.U/WITH APA-44. 3½x4x5; 1LB

N-S #153223 $4.95
E-W #153229 $4.95

KEYBOARD

CALCULATOR KEYBOARD, 17 BUSINESS-SIZE KEYS. EACH SWITCH REMOVEABLE; CONTACTS ACCESSIBLE. SP4P SLIDE SWITCH USED, EXC. NCR#0092, $3.95

KEYBOARD



16 KEY KEYBOARD BY MICRO SWITCH CONTACTS RATED 12v 6MA TO SINGLE COMMON BUS. BUTTONS .5x.5x.2. 0 THRU 9 RESET, DELETE, CARD NO., $ AMT, PROCESS, FCT. SIZE 3x3x1 #16NW3-44 NEW $6.95

UNIPULSER

DURANT UNIPULSER II COUNTER, electromechanical type requires 24 VDC pulse; 36 Vrms half wave AC for reset. Has auxilliary low current contacts for remote indication or control. 1½x½x4½ per counter. Unused w/PCB sockets. Bank of three, $6.00 " " four, $8.00

VIBRATORS

VIBRATORS removed f/equip. VB-1 & -7: 6 V. for PP-308, PE-97, -117, -237. $3.95 VB-12 (6 V.) or VB-13 (12v) for PE-120. $2.95 3H6690-16, f/PP-112, $2.95 Vibrators VS-3, G534, VB-8, VB-9 as available, $2 ea.

BB-51 BATTERY 6 V. 2.75 hours thru 30Ω lead cells. Dry charge. 1¼x3½x7/8, 3 oz. $1.50

BB-52, same as BB-51 except 36 V. 3 A. thru 1200 ohms. $1.00 ea. BB-208 BATTERY PACK, contains BB-51, 3/BB-52, $3.

MINIMUM ORDER $5.00

ALTIMETER TRANSCEIVER

RT-7/APN-1 ALTIMETER TRANSCEIVER, 418 TO 462 MHz FM; ABSOLUTE READINGS TO 4000 FEET. CAN BE CONVERTED FOR OTHER USES. UNIT CONTAINS WOBBULATOR, DYNAMOTOR, AND TUBES 2/955, 2/9004, 3/12SJ7, 4/12SH7, 2/12H6, AND 0D3. POWER REQUIRED: 27 VDC 3 AMPS. SIZE: 8¾x18½x8; SH WT: 25 LBS UNUSED, $18.95; MANUAL, NO SCHEMATIC, $3.00 SHOCKMOUNT ASSEMBLY FOR APN-1, $2.00

ID-14A/APN-1 RADIO ALTITUDE INDICATOR USED WITH RT-7. 2½" DIA. METER HAS SWITCHABLE SCALES 0-400 FT. AND 400-4000 FT., ON-OFF SWITCH. FS-6 MADC. UNUSED, $3.95

SA-1/ARN-1 ALTITUDE LIMITER SWITCH USED WITH RT-7 AND ID-14A IN CONJUNCTION WITH AN AUTOPILOT SYSTEM. ALTITUDE LIMIT SET FROM 50 FT. TO 300 FT. IN 25' STEPS; X 10 MULTIPLIER FOR HIGHER ALTITUDES. DESIGNED TO SIGNAL WHEN MIN. AND MAX. LIMITS ARE EXCEEDED. 3" DIA. UNUSED, $2.95

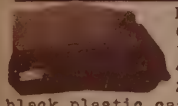
RT-159/URC-4 RADIO RECEIVER-TRANSMITTER USED FOR GROUND TO AIRCRAFT RESCUE WORK. VHF FREQ. 120-130 MC. UHF FREQ. 240-260 MC. CRYSTAL CONTROL TRANSMITTER, SUPER REGENERATIVE RECEIVER. DIPOLE COLLAPSIBLE ANTENNA AND COMB. MIC & EARPHONE ARE PART OF THE SET. WITH 8 TUBES 4/6050, 2/6147, 2E32, & 3Q4. REQUIRES 1.4 AND 90 VDC. UNITS W/ BROKEN COILS OR OTHER. CAN SHIP 2 TO MAKE 1. 3½x7x2½, 3 LBS. AS-IS, $12. EACH.

CX-1093A/U POWER CABLE FOR URC-4 $1.50

URC-4 TEST SET, TS-684/URM-30 USED FOR ALIGMENT AND TESTING RT-159 REC TRANS. CONTAINS 0-1 MA. METER, CRYSTAL OSC., METERING SW. ANTENNA, CABLE ETC. IN CASE SIZE 6x6x4. SCHEMATIC IN COVER.

PRICE: $9.95

MAB & DAV TRANSCEIVERS



MAB PORTABLE TRANSCEIVER CHASSIS, originally designed to operate between 2.3 and 4.5 Mhz on a single channel; 200 MW output. In waterproof black plastic case; mic and headset cut-off and not available. W/tubes 3/3S4, 2/1T4, 1R5 and 1S5. Requires 67.5 VDC 3 ma, 135 VDC 19 ma, 1.5 VDC 225 ma, 6 VDC 30 ma. Size: 8¾x 2¾x7¾; 8 lbs. sh. Unused, w/book, $6.95

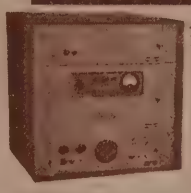
DAV-2 TRANSCEIVER-DIRECTION FINDER, electronically similar to MAB plus direction finding circuit. Has controls for receiver, transmit, and sense. With waterproof O.D. plywood case, JK-26 headphone jack, and connection for T-45 mic. 10¾x3½ x10; 8 lbs. sh. Unused, w/book, $9.95

CCI66081 WHIP ANTENNA f/above 15"-85", $1.50

CRYSTAL CALIBRATOR WITH THREE SEPARATE OSCILLATORS AT 10 KHZ, 100 KHZ. AND 1000 KHZ. WORKS FROM 1 TO 30 MHZ ON 1000 KHZ OSCILLATOR; 100 KHZ TO 10.5 MHZ ON 100 KHZ; AND FROM 10 KHZ TO 10 MHZ ON 10 KHZ. ORIGINALLY DESIGNED FOR USE WITH No. 19 MK III RECEIVER-TRANSMITTER. WITH CRYSTAL SELECTOR, CABLE, AND PLUG. POWER REQUIRED: 12 VDC @ 0.5 A. & 265 V. @ 2.5 MA. SIZE: 2x9½x4¼ WT: 7 LBS. USED, $12.95

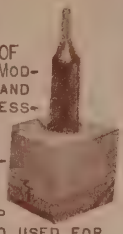
SPEED CONTROL BOX, CONSISTS OF 115 VAC 60 Hz TRANSFORMER IN A BOX WITH AN OUTPUT SELECTOR SWITCH MARKED OFF-HI-MED-LOW. WHEN BOX IS PLACED IN SERIES BETWEEN AC LINE AND LOAD, SELECTOR ALLOWS OFF, 100%, 40%, OR 20% OF INPUT TO LOAD. 100 WATTS. SIZE: 4½x4¼x2½; 6 LBS. SH. #230428, UNUSED, $2.95

RADIO TELEPHONE LINK



AN/TRC-47 RADIO TELEPHONE LINK, connects radio voice communications to two-line telephone systems. Consists of transmitter, receiver, and signal converter sections. Operates on a single crystal-controlled channel in the 132-150 Mhz band Carrier output: 7 watts. Converter changes 20 Hz ringing signal into a radio transmittable 800 Hz signal and vice versa. Used in pairs, the sets can establish links upto three miles apart. With built-in speaker, tuning meter, and tubes 3/0A2, 3/0B2, 2E26, 5R4, 4/6AK5, 2/6AK6, 6AQ5, 6AS6, 6AX5, 2/6BA6, 2/6J6, 2/6L6, 3/6X4, 4/12AT7, 2/12AU7, 2/12AX7, and 5763. Power required: 115/230 VAC 50-400 Hz. 21½x 14½x22½; 100 lbs. sh. Used, reparable, $40.

RADIOSONDE

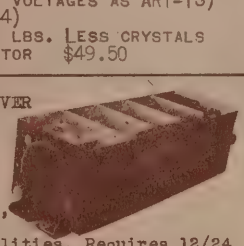


AN/AMT-4A RADIOSONDE: CONSISTING OF THE T-304A TRANSMITTER & MD-147C MODULATOR. TRANS. IS A.M., 1680 MHZ AND THE MODULATOR CONTAINS THE THE PRESSURE SENSITIVE ELEMENT OR ANEROID, TEMPERATURE ELE. HUMIDITY ELEMENT AND A COMUTATOR, SERVES AS A SWITCHING ARRANGEMENT FOR THE DIFFERENT SERVICES WHICH IS TRANSMITTED BY THE RADIOSONDE THAT IS TAKEN UP BY A METEOROLOGIGICAL BALLON. ALSO USED FOR TRACKING WIND DIREDTION. WITH TUBES 5794 AND 5875. BATT. VOLTAGE REQ. 1.5, 6 & 115 VDC. WT: LESS BATT. 1½ LBS. (613 GRAMS.)

PRICES: MODULATOR ONLY LESS HUMIDITY AND SENSITIVE ELEMENTS $3 TRANSMITTER ONLY $4.95

RT-380/AR RECEIVER-TRANSMITTER 2 to 18.5 MC C.W. PHONE, 100 WATT TRANS. AM CRYSTAL CONTROL ON 10 PRE SELECTED FREQ. RECEIVER 50 MW MIN. INTO 600 OHM LOAD. WITH TUBES 1/813, 2/811, 1/1625, 1/6AG7, 1/6V6, 1/12BE6, 2/12AU7, 2/12AL5, 2/28D7 & 4/6BA6, POWER REQUIRED 400 VDC @ 750 MA. 750 VDC @ 350 MA. AND 27 VDC FOR RELAY AC FOR FILAMENTS. (SAME VOLTAGES AS ART-13) (SIMILAR TO COLLINS 18S4)

SIZE: 15⅜x7¾x23½; WT: 70 LBS. LESS CRYSTALS PRICE: USED LESS DYNAMOTOR $49.50

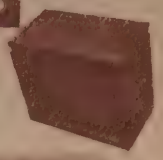


R-1/ARR-1 HOMING RECEIVER ADAPTER, converts 234-258 Mhz input signal to 540-830 Khz output. Input and output impedances: 50 ohms. W/ tuning dial, ant. trim, and 4/954 tubes. Unit has conversion possibilities. Requires 12/24 VDC 280/140 ma and 220 VDC 10 ma. Early WWII vintage. 3¾x4x12½, 6 lbs sh. Used, $9.95

KB9-A 16 MM MOVIE CAMERA USED TO RECORD STRIKES BY THE MILITARY. HAS 35 MM, F3.5 KODAK EKTAR LENS; VARIABLE APERTURE FROM F3.5 TO F16. FILM SPEED: 32 FRAMES PER SECOND. FILM CAPACITY: 35 FT 16 MM FILM. CAN BE ACUTATED BY REMOTE CONTROL. POWER REQUIRED: 27 VDC FOR DRIVE MOTOR AND HEATER. RED AND YELLOW FILTERS INCLD. SIZE: 7x2⅝x2¼ SHPG. WT: 5 LBS. PRICE: NEW $34.95

R-196C/ARW-26Y REMOTE CONTROL RECEIVER, MAY BE TUNED TO ANY FREQUENCY BETWEEN 60 AND 74 MHZ. APPEARS FREQ. CAN BE CHANGED SO THAT THE UNIT MAY BE ADAPTED FOR REMOTE RADIO SIGNAL ACTUATION AS POSSIBLY GARAGE DOOR OPENER, SECURITY SYSTEM ACTUATOR, ETC. ACCEPTS A SIGNAL MODULATED AT 300, 650, 955, 1390 AND 3000 HZ. AUDIO TONE OPERATES A SEPARATE RELAY FOR EACH FREQUENCY. THE 955 HZ RELAY ACTIVATED WHEN THE OTHER RELAYS ARE NOT. THE UNIT PERFORMS MOST EFFECTIVELY FROM VISUAL DIRECTION. RECEIVER CONTAINS AN RF AMP, DETECTOR STAGE AND FIVE AUDIO FILTERS. WITH SIX 12AU7 TUBES. 7⅝x8¼x5⅝ WT: 8 LBS. USED $9.95

CASES & CABINETS



TA-228/TCC-7 TRANSIT CASE; aluminum with hasp fastners and side grasps. Interior size: 10⅛W x 18L x 15D. 20 lbs sh. Used, $10.00

CY-1338/TRC TRANSIT CASE SAME STYLE AS ABOVE, 18⅛x 17¼x20½, 29 LBS. $16.00

CABINETS

STK.NO.	H X W X D	PANEL	DOOR	LBS.	COND.	PRICE
1015/39	10½x22x15	9½	TOP	25	USED	$8.95
1313/60	13 x19x13	12	"	30	"	$10.00
CY-1693	16¼x22x14	14	NO	35	NEW	$20.00

MS-5373, REAR ENTRY STYLE; HOLDS 8x19 RACK. OVERALL SIZE: 9½x19½x19½; SHPG. WT: 25 LBS. UNUSED, $15.95

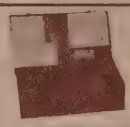
CAB-SG-299, 13½"Hx9½"Wx12½"D panel; Closed rear w/cutouts for power cable and ventilation. Use vertically or horizontally. Unused, $8.

GE-19-84 RACK, o/a 22Wx84Hx22D f/panel 19x80x20; front & rear doors. 2-rack braces; 200 lbs $75.

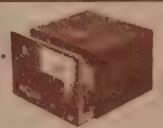
FAA-19-76 RACK, o/a 21¼x76x21½; for panel 19x68x20. Rear door; steel. 175 lbs. Used $80

FIBREGLASS CASE with hasp fastners (not hinged). O/A 14½x14 x9½; usable 12x12x6 without removing spacers. 10 lbs. Used. $5.

TS-382 TRANSIT CASE, o/a 15x 19x15½. Usable space without removal of spacers: 10x18⅝x12⅝. Not hinged; hasp fastners. Aluminum, 35 lbs. Used, $10.



CY-1097 PARTS CASE, o/a 14½x4¼ x8¾. Two 7½x4 interior compartments; 6½x7⅝ has 1" cubed spacers. With miniature tube pin straightners; hinged with hasp fastners. 10 lbs. Unused, $5.



ALUMINUM ENCLOSURE and frame from ant. coupler. Adapt as-is or re-work; 7½"H x 10"W x 10"D. Front has cut-outs for 1¼" sq. meter and two connectors. Also removable 4½x4½ insulator. 8 lbs sh. #ENC/CU-991, $5.00

OTHER RACKS & CASES AVAILABLE. WRITE NEEDS.

SPERRY BOMBSIGHT

SPERRY S-1 BOMBSIGHT, AN AIR-TO-GROUND MECHANICAL SIGHTING COMPUTER AS USED IN WWII AND LATER U.S. BOMBERS. UNIT IS AN EXCELLENT SOURCE FOR PRECISION GEARS, CAMS, AND SIMILAR CONTROL DEVICES. INCLUDES 28 VDC SPERRY GYROSCOPE; LENS/PRISM VIEWING SYSTEM WITH MIRROR LOCK AND POLAROID, CLEAR, BLUE, AND ORANGE FILTERS; AND TIMER WITH VERNIER MARKED "TIME OF FALL/SECONDS." ALSO CONTROLS FOR 0-80° SIGHTING ANGLE; 30°L-0-30°R DRIFT ANGLE; 0-400 TRAIL/MILS; AND BUBBLE LEVELER. SIZE: 21"Hx12"Wx18"D; SH WT: 100 LBS. IN TRANSIT CASE; 65 LBS. NET. $100.

GYROS & SYNCHROS

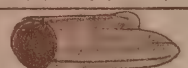
TYPE A-4 COMPUTER GUN-BOMB-ROCKET SIGHT, WITH TWO GYROSCOPES—ONE HORIZONTAL AND THE OTHER VERTICAL. SYNCHROS 15DLI AND 18DFI SIGNAL ATTITUDE CHANGE OF THE GYROS. MONITOR INPUTS FOR PITOT AND STATIC WITH MANUAL ADJUST OF THE TRANSDUCER. WITH VARIOUS RELAYS, GEARS, AND OTHER PARTS FOR THE EXPERIMENTER. SIZE: 10½x11¼x8; SHPG. WT: 25 LBS. $22.95

SILICON DIODES

SILICON DIODES ; MOUNTED ON HEAT SINKS WITH MOUNTINGS. REMOVED FROM EQUIPMENT AND GUARANTEED TO BE OPERABLE.
SILICON FULL BRIDGE, APPROX 100v. 5 A. S/T#S5578-2 $1
2C8R w/4/IN3208,4/IN3208R, 2/TIERED MTG4x4x2$2.75
3C12R w/4/IN3208,4/IN3208R, 2/IN3209,2/IN3209R, 3-TIERED MTG4x4x4$4.25
1CIT 2N1557,90 WATT,40 v 15 AMP ON 3x4½" HIGH COOLING HEAT SINK $1.50

BAJ8-79, 2/2N686 (25 A. 250 PRV), 4½x6x1, $2.50

D1190 4/IN3208,1/IN3208R,1/3209,1/IN3212,,PLUS 10/RES,4/CAP,2/POT $3



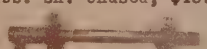
O-SCOPE VIEWING HOOD; FITS OSCILLOSCOPE WITH 3" CRT. 11½" LONG; BLACK RUBBER. MX-40A/APS-4, UNUSED, $3.

VACUUM CAPACITOR by Jennings with connectors. Unused.
3.0mmf 15kv "V" $2.75
Jennings or equal mfg.used.
12mmf 20kv "VC" $10.00
50mmf 32Kv "VC" $14.00

TRAVELING WAVE TUBE

EMI 7640 TWT, similar to Hughes 313H; 2.0-4.0 Ghz, 1 KW output, 30 db. 16½x3⅝x5; 20 lbs. sh. Sold as an experimenter's item only; not guaranteed. $17.50

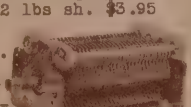
ITT D-2013 CW TWT, 5 watts 33 db gain, 8.0-9.6 Ghz; 6.3 v. heater. 12x1⅛" dia. 3 lbs. sh. Unused, $45.00



RCA 4012/A1157 TWT, 2.0-4.0 Ghz, 36 db min., 20 MW min. 15⅛"l x 3⅛"h x 1⅛"w. 4 lbs. sh. Unused, $40.00

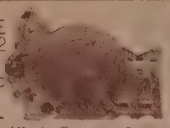
VARIABLE CAPACITORS, removed f/ T-195/GRC transmitter.
#C-222/T-195, 25-485 pf one sec. ; 23-437 pf the other. 0.03" air gap. With gears 1⅛" dia. and 5/8" d. 4⅛x3x4½ overall. $4.95

#C-221/T-195, 13.5-77.8 pf one section; 17-99.6 pf the other. 0.094" air gap. ⅝"x ¼" dia. shaft. 5½x1⅛x3½ overall, 2 lbs sh. $3.95



20-400 PF 0.02" gap. Ceramic insulation, silver plate. 5/8x¼" dia shaft. 4x1-5/8 x1⅝. #C-1003/T-195, $4.95

TCS VARIABLE CAPACITOR, 2 SEC. 10-360 MMF, ONE SEC 10-360 MMF, 3 BAND CALIBRATED DIAL 4" 1.5 TO 12 MHZ SIZE:7x3½x3⅜; WT: 10 LBS. #881 $3.95 USED



Piston style glass var. 1-20mmf #9645 $.75

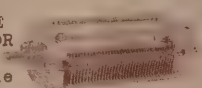
5910-193-8025 3 GANG 8-50 MMF 2000 VDC, ROTOR SECTION INSULATED FROM EACH OTHER. SIZE 3½x2⅝x6½; 2 LBS. $6.95

RBF-3-14A164, 10-40mmf gap 0.04". 2Rv.3½x2⅝x2 $2.95

DIFFERENTIAL VAR. CAP., 7-75 PF EACH SIDE, .03" AIR GAP; 1x1⅛x1⅛, 5/8x¼" DIA. SHFT. #3D9075V-37, $1.95

VARIABLE AIR CAPACITOR 2.8 TO 8.5 MMF 5 PLATES P/O BC-640 TRANS. #A105262 3D9002VE8 $ .79

FREQUENCY METER VARIABLE CAPACITOR W/VERNIER TUNING 11.5-160MMF. 3x3½x5;2LBS. #BC-221 OR EQUAL NEW $8



VARIABLE CAPACITOR 15-420 pf single section. 0.03" air gap. Shaft: 3/8" dia. threaded first 3/8"; ¼" dia. next 3/8". Overall: 1-3/8x1-3/8 x4⅝. #167-0459, $4.95

#48B083C; 10-106 PF, .02" AIR GAP; 1⅞x⅝x1½, SHAFT; 1x¼" DIA. UNUSED, $1.50

Three Gang 0.03" spacing 15-85 each section. 3.2x1.6 x1.8 in. #074-049 $4.95

BC-624 RECEIVER R.F. TUNER ASSY 100 - 156 MHZ A.M. W/VARIABLE CAP.,COILS,TUBE SOCKETS. OSC. SEC.P/O SCR-522 5x5x5; WT: 7LBS 2ZK11150 USED $3.95/N $5.95

RF-OSCILLATOR TUNING CAPACITOR F/ MARK III RECEIVER; 4-GANG, 0-530 PF/GANG. 3½x1⅝ x6. 5/8x5/8" DIA. SHAFT. #76330-C, USED, $4.95

TANK TUNING CAPACITOR FROM MARK III; 1-GANG, 0-563 PF. 0,03" AIR GAP; 3½x2x1⅜, 1x¼ DIA SHFT. #76348-C, $2.95

TUNING CAPACITOR F/RT-176/PRC-10, 38 TO 54.9 MHz; 5-GANG, 5-33 PF/GANG. WITH 1½" AND 5/8" DIA. GEARS; 3/16" DIA SHFT. 1½x1-5/8x4, USED, $4.95

BROADBAND TUNER 14-50 MHz 10-150mmf var capacitor mechanically coupled to iron slug in a coil which moves as the capacitor is rotated. various other components. 3½x2x3 #RT-45 $1.95

TRANS. CAPS.

DUAL 4-30 MMF 1000 VDC 1⅜x 1⅜x2, SHAFT ¼x⅝ P/O BC-640 CARDWELL 430/1M REM $2.95

DUAL 5-25 MMF 2000 VDC 1⅜x 1⅜x4½ SHAFT ¼x⅝ P/O BC-640 CARDWELL 525/2M REM $3.95

DUAL 4-20 MMF 2000 VDC 1⅜x 1⅜x3 SHAFT ¼x⅝ P/O BC-640 CARDWELL 420/2M REM $3.95

DUAL 4-50 MMF 1000 VDC 1⅜x 1⅜x3 SHAFT ¼x⅝ P/O BC640 CARDWELL 450/1M REM $2.95

BC-624/522 RECEIVER, 3 GANG 6-36 MMF EACH SECTION WITH SLUG TUNED TRIM. SHAFT 5/16 STK#3D9036V SIZE: 4⅝x2x3¼; 1 LB. $1.50

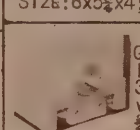
SINGLE 10-24 PF .04" AIR GAP; 1-5/8x1½x2, ¼x½" DIA. SHFT. #KS-8923, $1.50

DUAL 6-22 MMF 1500 VDC 1x1½ x2⅝ SHAFT 3/16x½ TELERADIO 622/1SM NEW $1.95

VARIABLE CAPACITORS removed f/unused TU-10 tuning units. 0.09" air gaps. #T-7660443-4, 19-116 pf, 3/8x¼" dia. shaft. O/A: 1⅝x3x4⅝, 2 lbs. $3.95 #P-7761569, 14-62 pf, 1x¼" dia. shft. 2⅛x2⅝x4½, $3.95 #T-7660443-8, 8-26 pf, 5/8 x¼" dia. shaft. Overall: 1⅝x2⅝x3, 2 lbs. $3.95

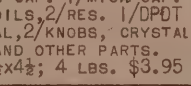
COMMAND TUNING F/TRANSMITTER 35-150 MMF 2000 VDC W/GEARTRAIN 4x2⅝x3, 1 LB. 2C6397/C8 $1.95

PRE-SELECTOR UNIT ASST PART OF R-48 REC. 230-250 MHZ. CONSISTS OF RF, MIXER & OSCIL. USING 6AG5-2 EA. 9002-1 EA. TUBES (LESS TUBES.) FOR USE WITH 30 MC I.F. SIZE:6x5⅝x4; 5 LBS. USED $5

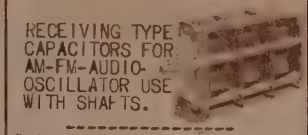


GR PRECISION VARIABLE CAPACITOR 30-220 MMF,1000 VAC,SHAFT 5/16x ⅜ IN ALUM. CASTING 4⅝x5x5½; 6 LBS. 4 HOLE MTG.5910-667-6732 $6.95

TU-53 OSCILLATOR PLUG-IN ASSY. FOR BC-610 TRANSMITTER FREQ. RANGE 8-12 MHZ.CONTAINS VAR. CAPACITORS WITH SHAFTS 140 MMFD, 190 MMFD. 2/CERAMIC CAP. 1/MICA CAP. 4/R.F. COILS,2/RES. 1/DPDT SW. 1/DIAL,2/KNOBS, CRYSTAL SOCKET, AND OTHER PARTS. SIZE:2x8⅛x4½; 4 LBS. $3.95



5-25 PF CAPACITOR, worm gear & ceramic insulated shaft and stators. Rotor plates on common metal shaft; .03" gap. Rating made with two sections in series. May be modified into two 10-50 pf sections. Gear shaft: 1"x1/8"d. Other 5/8"x¼"d. O/A 4½x2x1⅛. Silver-plated. #710-4608 $6.95



RECEIVING TYPE CAPACITORS FOR AM-FM-AUDIO-OSCILLATOR USE WITH SHAFTS.

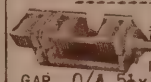
#48842 DUAL 12-90 MMF & 15-140 MMF SIZE 1x1x⅞ $1.00

#66972 DUAL 9-50 MMF & 1-100 MMF, SIZE 1x1x⅞ $1.00

#330V020-H02 DUAL 10-90 & 14-140 MMF 1⅛x1⅛x1 $1.25

#CHC481060; 8-20 PF, 1⅛x1⅛ x1⅛; ¼x½" D. SHFT. $1.25

Dual 5-15mmf, ceramic,w/friction gear to hold setting. 0.04"spacing. 2⅛x1⅜x1-7/8 in ¼x½in dia shaft. coil& gear removeable. #358-3164 $1.95



#KS21146L1, 3-GANG, 7-60 PF/SEC. 0.03" GAP. O/A 5½x1⅝x1⅝, $3.95

#NL981337-2; 35-180 PF; 3x 1⅝x1⅛; 1⅛x½" D. SHFT. $2.95

#124-260; 15-245 PF; 1⅝x1⅛ x2½; ⅜x½" D. SHFT. $2.95

3D9200V-19 4 GANG, 14-200 MMF 3½x1⅝x4⅝ $4.50

#C-111/ARN-6, 5-GANG, 13-402 PF/SEC. 9½x3⅛x1⅝ $5.95

AIR PADDER CAP

ALL PADDER CAPS. REQUIRE SCREWDRIVER ADJUST.

351-1054	2-8 PF	49¢
D3535	2-20 PF	49¢
CTN48785	5-17 PF	49¢
KS36534	10-49 PF	49¢
SBL72265-2	8-32 PF	49¢
CTN481426	22-104 PF	79¢
406409	8-118 PF	79¢

JOHNSON #189-6-6; 1.8-13 PF 650 v. 7/16x7/16x9/16, 89¢

JOHNSON #T2-16; 1.9-15.7 PF 325 v. 9/16x5/16 DIA., 89¢

#3D9006V-7 DIFFERENTIAL, 3-6 PF, .045" GAP; 1⅛x1x2, 1⅛x½" D. SHAFT. NEW, $1.95

HV VARIABLE CAPACITOR, 55-420 pf single section. 0.22" air gap. 13⅛x3⅛x6½ plus 2⅛x3/8" dia. shaft. #7765118, excellent, $23.

COMMAND RECEIVER VARIABLE CAPACITORS, 3-GANG, TRIMMERS & GEARS. 2½x3x4½; 3 LB. #4601, 147 PF, 3-6 MHz, $4. #6558, 62 PF, 6-9 MHz, $4.

TRANSMATCH ASSY ROTARY INDUCTOR,16 TURNS,.5-4.15 MICRO-HY. W/VARIABLE CAP. 5-50 MMF. 2000v RE-MOVED FROM EQUIP. DESIGN FOR 14-50 MHZ. SIZE:2⅝x5x5 4 LBS. #B8H502 $6.95

MAGNETIC FOCUSING YOKE WITH 2 MAGNETS MOUNTED IN RING, RING SIZE 2-1/8" DIA. 5/8" W. 1" HOLE, MAGNETS 5/8"x⅜x9/16 WT: 7 OZ. # MAGNET CIR-7 PRICE: 35¢ 3 FOR $1.00

T.V. TUNERS

UNITS HAVE NOT BEEN USED & ARE NOT GUARANTEED.

VHF CHANNELS 2-13 FREQUENCY 54-216 MC OUTPUT 41 MC

URC#27160 WITH TUBES 1/6ES8 & 1/6CG8. SIZE 4⅜x 3⅜x4; $4.95

URC#63K10-03 WITH TUBES 1/6KZ8 & 1/3GK5 SIZE: 2x2⅛x3⅜. $5.95

UHF CHANNELS 14 - 83 FREQUENCY 470-890 MC OUTPUT 41 MC

URC#34834 WITH 1/2DZ4 TUBE OR EQUIVALENT. SIZE:3½x3¼x2. $4.95

URC#86712 TRANSISTORIZED SIZE:1⅛x2⅛x3 $3.95

AM & FM TUNERS

AM FREQUENCY 550 - 1600 KC
FM FREQUENCY 88 - 108 MC
UNITS HAVE NOT BEEN USED

F.M. TUNER WITH 1/ 12DT8 TUBE & DIAL. SIZE 3x2x URC#462 $3.95
A.M. & F.M. TUNER SAME AS ABOVE URC#2H02 $4.95

A.M. & F.M. TUNER WITH 1/ 12DT8 TUBE NO DIAL 3x2x1 URC#7H02 $3.95

F.M. TUNER WITH 1/6AQ8 TUBE,NO DIAL, 3x2x1 URC#4H02 $2.95

SPIRAL INDUCTO TUNER 60-90MHZ W/50PF PARALLEL 3 SEC.SILVER PL. 4⅜ TURNS. 3⅜x1⅛x2 #37695 RE-MOVED $5.95

LC-902 ANTENNA INPUT TANK FOR TN-2A/APR-1 TUNING UNIT, FREQ. 76 TO 300 MHZ. WITH VARIABLE CAPACITOR, COIL, AND 955 TUBE SOCKET. SIZE: 4⅛x3 WT: 4 LBS. UNUSED $9.95

LC-702 ANTENNA MIXER TANK FOR TN-3A/APR-1 TUNING UNIT FREQ. 300 TO 1000 MHZ. WITH VARIABLE CAPACITOR AND COIL SIZE: 2⅝x3⅜ WT: 3 LBS. PRICE: UNUSED $6.95

LC-701 OSCILLATOR TANK FOR TN-3A. WITH VARIABLE CAPACITOR AND COIL. SIZE: 4⅜x4 WT: 4 LBS. UNUSED $8.95

Capacitors listed below are receiver style approx 500 volt spacing. 3½x1⅝x1 7/8
3 gang, each 15-280mmf #350ZLDD unused $4.95

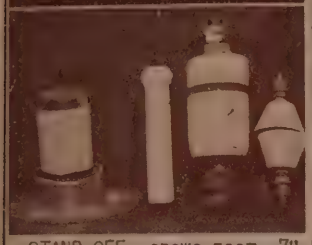
3 gang, 2/25-460, 25-180 mmf. ¼in shaft 1 1/8 lng #9776 unused $4.75

3 gang, 15-365mmf each short 3/8 shaft. W/1.2in ¼in adapter. #906836 unused $4.50

3 gang, 20-360, 20-280, 20-110. 2 speed drive, ¼ & 1/8in dia shaft. #33V021H01 $2.75

2 gang 25-460, 35-200mmf 3/8in shaft, ¼in long 2¼x1⅝x2 #221657 $2.00

INSULATORS



STAND-OFF, CROWS FOOT, 7" Hx1½ D.CAST BASE, 2¾ CTRS. TOP CAST W/3/16"-20 SCREW #5970-405-8992 $4.00
SIMILAR, ABOVE 3" 3.00
" " 10" 7.00

FEED-THRU INSULATOR (FIG2 1/2" HOLE 7/8" DIA. W/NECK 3" LONG 30¢ 5" LONG 40¢ 6" LONG 50¢ 8" LONG 60¢ STOCK NO. 1014-(LENGTH) SAME AS ABOVE OVAL TWIN-LEAD INSTEAD OF HOLE #1014X 3"-30¢/4"-35¢/8"-60¢(OVAL)

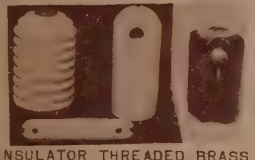
CONE 1" BASE 1-1/8 H, ⅜"T 10-24 THREAD. #CSJ-61028 35¢ EA. 4 FOR $1.05

STK.#INS.#1015; FEED-THRU BRASS BOLT 6½" LONG X 1/2" W/NUTS, SPLIT INSULATOR FOR ½" THICK MOUNTING WITH CORK WASHERS, OVERALL LGTH 3⅝x2, WT: 2LB. $2.50

STK.#3G584 IN-84 FEED-THRU CONICAL SHAPE, 5" LG. O/A; 2 CONICAL SHAPED 1-1/8 LG. x1⅝ DIA. AT BOTTOM, 1" AT TOP, 1/4" DIA. ROD WITH 1/4 20 THREAD WITH NUTS/WASHERS ½LB. 25¢ EA. 5 FOR $1.00

GLASS-BONDED MICALEX STRIPS 10"Lx1"Wx5/8"Th. Five holes .2" dia. #3G110-160, $1.50

GE #K7102768P1, same as above, 7-3/8"Lx3⅝"Wx3/8"Th. Ten holes, $3.00 ea.



INSULATOR THREADED BRASS EACH END FOR 1/4" SCREW. #CLASS 16U-2⅝x1¼" $2.
" 16U-3⅝x2" $3.

INSULATOR STANDOFF FEED-THRU, THREADED ONE END; 3/8" HOLE. ACE-3"HX1¼" $1.

SPREADER INSULATORS

No.	Size	Hole	Price
IN-88	2½x⅜	1/16	25¢
CSJ-61192	4½x⅜	3/16	35¢
498-3827	12x¾	3/16	$2.

STRAIN INSULATOR BROWN 2⅜"x 1⅜" ⅜" HOLES EA END, OPPOSITE SIDES. #3G100 PRICES: 79¢ EA. 4 FOR $3. BOX OF 200 $125.00

ART-13 TRANSMITTER ANTENNA INSULATOR PANEL; WITH 3½x4 OBLONG INSULATOR WITH TWO SPRING-TYPE BINDING POSTS. ALSO A ⅝x1 AND A ⅜x⅝ CONICAL INSULATORS WITH PUSH-TYPE BINDING POSTS. WT: 1 LB. COMPLETE ASSY. USED $1.00

STAND-OFF INSULATOR H-1⅛, B-1⅛, A-⅝, 1/4" BOLT REQ. 1⅜" MTG HOLE PP-1048 NO HARDWARE 3 FOR $1.00

STAND-OFFS

STAND-OFF INSULATORS, CROWS FEET TYPE. BRASS AND PLATED BRASS BASES AND TERMINALS.

D=DIAMETER
H=HEIGHTH
M=MOUNT BASE HOLES' CENTER DISTANCES
ST=SCREW TERMINALS
CT=CLAMP TERMINALS

#B-H3-D1.25-ST3, BROWN CERAMIC; M=2.25". TERM. CAP SIZE: 7/8x1-5/8" DIA. SHPG. WT: 2 LBS. $2.75
#B-H4-D1.25-ST2, WHITE; M-2.25". TERM CAP: 1x1-5/8" DIA. 3 LBS. $3.25
#XW-H5-D1-ST, WHITE; M-2.25 TERM CAP: ⅜x1" DIA. $3.00
#W-H5-D1.25-ST, WHITE; M-2.625". TERM CAP: 3/8x1½" DIA. 3 LBS. $3.75
#B-H5-D1.25-CT, WHITE; M-2.25". TERM CAP: 1x1-5/8" DIA. 3 LBS. $4.00
#BL-H6-D1.25-ST2, BLACK PAINT ON BRASS; M-2.625" TERM CAP: 1⅝x1½" DIA, SHPG. WT: 4 LBS. $4.25
#W-H6-D1.75-NTTH, WHITE; M-3.75". NO TERM CAP; THREADED. 5 LBS. $4.50
#B-H7-D1.25-ST, BROWN; M-2.25". TERM CAP: 5/8x1-5/8 SHPG. WT: 3 LBS. $4.75
#W-H8-D1.75-NTTH, WHITE; M-3.75". NO TERM CAP; THREADED. 6 LBS. $5.25

PORCELAIN STAND-OFF INSULATORS, SCREW THREADED. #P-4H-.75D, 8-24 THRD, $.50
#P-5H-.75D, 8-24 THRD, .65
#P-6.75H-1D, 10-24 THR, .85

3 DIGIT COUNTER, VEEDER MFG. ¼" DIA. GEAR SHAFT; ⅛" DIA. EXTERIOR SHAFT CAN BE GROUND TO ¼". OVER-UNDER MOUNTING. 2⅝x1⅝x4½; BC-1323 COUNTER $1.00

FLEXIBLE COUPLING

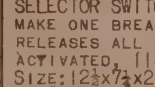
Metal flexible coupling 2" x 1½" for 1/4 to 1/4" shft. #COUN002 40¢ ea.

Insulated flexible coupling 1" x ⅝" for 1/4" dia shaft. #COUN003 35¢ ea.

CERAMIC COUPLING, 2x2 for ¼" dia shft. #COUN006 59¢ 2/$1.

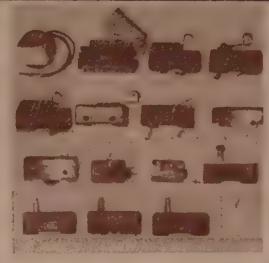
#COUN007; 1-5/8" dia. x ⅝", for ¼" dia. shaft. 39¢
#COUN008; 2-5/8" dia. x 2, for 3/8" dia shft. 79¢ ea.

SELECTOR SWITCH 15 BUTTON, MAKE ONE BREAK ONE, RELAY RELEASES ALL BUTTONS WHEN ACTIVATED, 115 VAC OR 24VDC SIZE: 12⅜x7½x2; WT: 7 LBS. URC#1524115 NEW $3.95



SIX PUSH BUTTON SWITCH, MAKE & BREAK EA. SIDE, EA. SW. AUTO-RELE SIZE 4x5x3/4 W/TERM. BD. #6105-901-6365 $3.95

MICRO SWITCHES



SPST, R-RL2, NORMALLY CLOSED ROLLER LEVER ASSEMBLY, 15 A 125/250V. 2x⅝x5/8 $.50

SPDT; 3Z-3R244T4; ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. PIN PLUNGER; 2x1x⅝ .30

SPST; WHBT349A-1, NORMALLY OPEN. LEVER PLUNGER. 2"x1" x5/8". .30

SPDT; BZ-2R; ONE SIDE NORMALLY, OTHER CLOSED; PUSH PLUNGER ASSY. W/MOUNT. 2x1x⅝ .50

HR07-1P SPST NORMALLY OPEN, 115 V 10 A. 3/8" PLUNGER. $.75

DPDT; MS25008, ONE SIDE NORMALLY OPEN, THE OTHER CLOSED. EXTENDED BUTTON PLUNGER. 2⅜"x2"x1" $1.50

DXGB-5 SP NORMALLY OPEN, MOUNTED IN HEAVY FRAME. ½" PLUNGER 2⅜x2⅜x2¼ $1.00

SPDT; WHBT349B-1; ONE SIDE NORM. OPEN, OTHER CLOSED. LEVER PLUNGER 2x1x⅝ .30

SPST; MU SWITCH TYPE D; SPLIT DIE CAST ENCLOSURE W/ ⅜" TAP CONDUIT HUB; 17/8.5A 125/250V. PUSH PLUNGER; 2⅝x2x1 .75

WZ2RW80-D5 SP NOMALLY CLOSED 3" LEVER . 2x3/4 SW. 60¢

SPST; 2MC3-1A, NORMALLY CLOSED. PIN PLUNGER. 1 5/8"x⅝"x⅝". .45

SPST; SW-186, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2"x⅝"x5/8". .25

SPST; G-RS, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2"x ⅝"x5/8". .40

SPST; MQ7-102T, NORMALLY OPEN. EXTENDED PIN PLUNGER. 2"x⅝"x5/8". .40

SPST; WZ-RS9, NORMALLY CLOSED. EXTENDED PIN PLUNGER. 2"x⅝"x5/8". .40

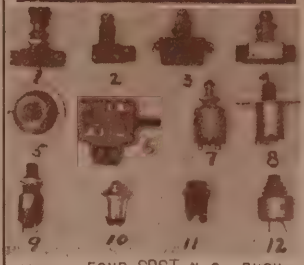
V3 MICRO-TYPE 10 A. 125/230 A.C. SIZE 9/16x1x3/8
V3-21 SPST NORMALLY CLOSED.
V3-23 SPST " OPEN
V3-1 SPDT 1/s NO 1/s NC
V3-21 & 23 35¢ V3-1 50¢

E4-78 MINITURE ELECTRO SNAP 3/8x3/4x1/4 40¢

YZ-3RLTC SPST NO 15 A. AC. LEVER TYPE ⅝x2x5/8 40¢

DPST one side mom. (f) toggle; Alco #CST-023TA, 65¢
SPDT n.o./n.c., push button (g); Licon #76-2450, 85¢
DPDT on-on slide (h), 4/$1.
DPST sub-mini slide switch; Chicago EIA 50, 5/$1.
Interlock switch (i); 10 A. Cherry #E69-30A, 85¢

PUSH SWITCHES



FOUR SPST N.O. PUSH-BUTTONS ON 3"x3" CHROMIUM PLATE. TWO COMMONS; TWO BUTTONS PER COMMON. USED. #PSW4-2C, 85¢

SPST NORMALLY OPEN; 3A/250. PSW002 .35
DPST NORMALLY OPEN; 1A/250. PSW004 .35

MICRO-SW. SPDT, 1" RED BUTTON, 15 A.A.C MTG. HOLES 1⅜" CENT. 2⅜x1x1 #71BP2 $2.00

JPST INTERLOCK, NORMALLY OPEN. (3Z9825/254) PSW006 .35

SPST PULL SWITCH, NORMALLY OPEN. PSW007 .35

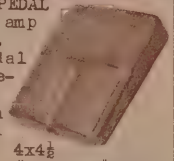
SPST NORMALLY CLOSED; CASE-WING AS GROUND; ¼" SCREWS REQUIRED FOR MOUNT. PSW008 .35

SPST, NORMALLY OPEN PSW010 .35

SPST, PUSH-LEVER SWITCH, 115 VAC 20 AMP; SILVER CONTACTS. P/O 1-199 #1-199-S67 .65

SPST, NORM. OPEN, FITS 5/8" HOLE. J-3-PB .39

FOOT SWITCH



DUAL FOOT PEDAL SWITCH, 20 amp norm. open. Depress pedal to make; release to break. With 7' 3-cond. heavy cord. 4x4⅛ x1½, 4 lbs. #LR-FP, $6.95

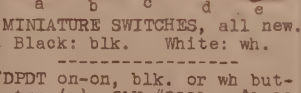
FIVE-PUSH SWITCH 2PST NORM. CL. 1PST NORM. OP. 1PDT. 5x3x1 #PSW5022 $1.00

* * * * * * * * * * * * * * *
MORE --- DOLLAR DAZE

TOGGLE SWITCHES, SPST cut-offs, 5/$1.00 10
PUSH SWITCHES, SPST norm-open, 5/$1.00 14
PUSH SWITCHES, SPST norm-closed, 5/$1.00 15
SLIDE SWITCHES, 2PDT and SPDT, 5/$1.00 16

* * * * * * * * * * * * * * *

SWITCHES



MINIATURE SWITCHES, all new. Black: blk. White: wh.

DPDT on-on, blk. or wh button (a); C&K #8221, $1.00
SPDT on-off-on, wh. toggle (b); Alco #MLD106E, $1.20
DPDT on-on, blk. toggle (b) C&K #U21, $1.00
SPDT on-on, blk. rocker (c) JBT #MR2-123, $1.00
SPDT on-on, wh. rocker (d); C&K #7101, 85¢ ea
DPDT on-on, blk. rocker (c) C&K #7201, $1.00
SPST red or wh. tog. (e), not mini, CH#8381K22 $3.75

SWITCHES

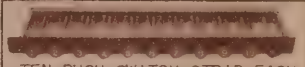
AIRCRAFT TYPE SWITCH TWO HOLE MOUNTING FIG. #1

CIR	CON	RATING	NO	PR
SPST	NEW	5/125	B-15	.65
ABOVE MOMENTARY N/CLOSED				
SPDT	REM	15/125	3022-7	.35
(ABOVE CENTER-OFF, MOM.)				
SPDT	NEW	15/125	B-18	.30
SPDT	REM	5/125	B-7A	.55
(CENTER OFF, MOM ONE SIDE)				

TOGGLE SWITCHES

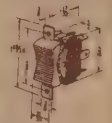
TOGGLE SWITCHES SINGLE HOLE MOUNTINGS: CONDITION NEW & "REM" REMOVED FROM EQUIPMENT, ALL GUARANTEED.

CIR	CON	RATING	NO	PR
SPST	REM	8/125	8817K2	.35
(ABOVE SWITCH MOMENTARY)				
SPST	REM	6/125	SW-105N	.30
SPDT	REM	8/125	ST-13D	.25
("ON" BOTH SIDES)				
DPST	REM	3/125	7463954	.25
DPST	REM	15/125	ST-50K	.40
DPDT	REM	3/125	SW3125	.30
DPDT	REM	5/125	ST-22R	.35
3PST	NEW	15/125	SW3115	4.00
4PST	REM	15/125	766IK5	1.00



TEN PUSH SWITCH STRIP EACH D.P.D.T. INDIVIDUAL HOLD OR COLLECTIVE OR RELEASE, NEW 12x4x3/4; NO.4C5231 $2.25

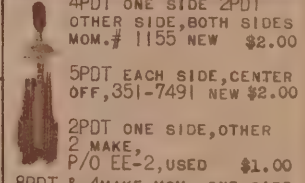
ROCKER SWITCHES
0319 SPST 39¢ 3 FOR $1.00



0348 DPDT 59¢ 2 FOR $1.00
0320 SPDT MOMENTARY BOTH SIDES. 65¢ EA. 2 FOR $1.20
0347 DPDT MOMENTARY BOTH SIDES. 80¢EA. 2 FOR $1.50

PUSH BUTTON SELECTOR WHITE BUTTONS, 1 THRU 4 SEPARATE CONTACTS, 5,6,7 MAKE 2,3,4 RESPECTIVELY W/ COMMON. RED BUTTON RELEASES ALL. RATED @ 120/240VAC 8A SIZE: 4⅜x1⅝x2½; WT: 2 LBS. GE#ASP8128-417 UNUSED $.75

LEVER SWITCHES



4PDT ONE SIDE 2PDT OTHER SIDE, BOTH SIDES MOM.# 1155 NEW $2.00

5PDT EACH SIDE, CENTER OFF, 351-7491 NEW $2.00

2PDT ONE SIDE, OTHER 2 MAKE, P/O EE-2, USED $1.00

8PDT & 4MAKE MOM. ONE SIDE OTHER SIDE ONE BREAK HOLD. CENTER OFF. SW-1323 USED $1.

4PST EA. SIDE NORM. OPEN & HOLD, CTR. OFF 3Z9818-9.1 N $2.

2PDT ea. side of switch, no center off. SE#649-31 $2

PUSH TYPE 1P, NC/1P NO/ 2/ SPDT SINGLE HOLE MTG. WE#168173 UNUSED $2.00

4PDT HOLD BOTH SIDES, CTR OFF, SINGLE HOLE OR 4SCREW MTG. SWITCHCRAFT 4PDT N $2

2PST ONE SIDE ONLY HOLD, CTR OFF, ONE HOLE MTG. SWITCHCRAFT 513148 NEW $1

MINIMUM ORDER $5.00

PUSH-TO-TEST

PUSH TO TEST INDICATORS WITH MARKINGS ALSO HAVE CLEAR & AMBER LENSES

KORRY MFG., ALL UNUSED.

KORRY 260 PUSH-TO-TEST INDICATORS, DOUBLE LAMPHOLDER WITH MINIATURE BAYONET BASES. 1⅛"WX⅝"HX2⅛"D. NEW. CHOOSE FROM THESE LENS INSCRIPTIONS: POWER, AC POWER ON, PHASE B POWER, 28 VDC. OR 24 VOLTS DC. $1 EA, 3/$2

KORRY 260 INDICATORS WITH ROCKET LAUNCH-RELATED INSCRIPTIONS: LN_2OVERFLOW; LN_2LOWER LEVEL; LN_2UPPER LEVEL; 100% LIQ OXY; LIQ OXYGEN FINE; 1200 PSI AFT SPHERES; JET PRESSURE; 11° C THERMOSTATS; ERECTOR; IGNITOR; COOLANT VENT VALVE; HYDRAULIC ACTUATOR TEST POWER; LOX VENT VALVE; 750 PSI SUPPLY LOW; STBY HEATER COMMAND; 400 CPS DRIFT TIMER, 75¢ EA. OR 4 FOR $2.00

ASSORTMENT OF ROCKET LAUNCH INDICATORS, NO CHOICE, 6/$2

KORRY 136 PUSH-TO-TEST INDICATORS, SINGLE LAMPHOLDER WITH MINIATURE BAYONET BASE ⅝"WX⅝"HX2⅛"D. INSCRIPTIONS: STANDBY; POWER ON; OVERLOAD; LOW; MALF. 65¢ 2/$1.

KORRY 103 INDICATOR, PUSH-ON RED PLASTIC CAP; PLASTIC BODY. 5/8" SINGLE HOLE MOUNT. #5167, 50¢ EA. 3/$1.

LAMP HOLDERS FOR 327 LAMPS ½" HOLE MTG. FLAT TOP LENSE 3/8 DEEP, WHITE LENS NUMBERED 1 TO 9, YELLOW ("MAX"), RED, AMBER, AND GREEN. SPECIFY. #6210-617-0934, 39¢ EA. #327 LAMP FOR ABOVE, 39¢

NEON CYLINDRICAL TYPE LITE

#3509 115v 100K	3/8x1½"
ELDEMA V W/RES.	3/8x1½"
#2685 28v .04A	1/4x7/8

OBLONG SLIP IN TYPE NEON 1/2x1-3/8" 125v. #3100 USED ALL ABOVE 3 FOR $1.00

SUB-MINIATURE NEON PILOT LIGHT ASSEMBLY. FLUTED 5/16" DIA. CLEAR JEWEL. BASE IS FEMALE PART FOR A THREE PRONG PLUG WITH 1/16" DIA. HOLES IN ISOSCELES TRIANGLE PATTERN. MOUNTS IN 3/8" HOLE. 0" TO 3/8" SURFACE CLEARANCE. 1 3/8"LONG. INCLUDES BULB. USED. 110v. PIL007 $.25 5/$1.00

SINGLE TERMINAL AND CONTACT SUB-MINIATURE DIMMER PILOT LIGHT. MECHANICAL DIMMER VARIES SIZE TO COMPLETE DARKNESS. REQUIESS T-1¾ BULB. 5/16" DIA. SMOOTH RED JEWEL. MOUNTS IN 7/16" HOLE. 1 3/8" LONG. LESS BULB. NEW. 6210-643-4087 $.59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. CLEAR STOVEPIPE, SMOOTH 5/8" DIA. JEWEL. MOUNTS IN 11/16" HOLE. SURFACE CLEARANCE IS 0" TO 3/8 2 1/8" LONG. LESS BULB. USED. PIL008 $.39

PILOT LIGHT WITH SINGLE-CONTACT, CANDELABRA SCREW TYPE BASE. 1" DIA. RED-FACETED JEWEL. MOUNTS IN 1" HOLE WITH SURFACE CLEARANCE OF 0" TO ½". 2¾" LONG LESS BULB, UNUSED. PIL003 .59

PILOT LIGHT WITH SINGLE CONTACT, MINIATURE BAYONET BASE. ½" DIA. SMOOTH, GREEN JEWEL. MOUNTS IN 5/8" HOLE WITH A SURFACE CLEARANCE OF 0" TO ½". 2 1/16" LONG. LESS BULB, UNUSED. PIL004 .49

PILOT LIGHT JEWELS, ½" dia for ½" dia threaded assy. Asst colors. Series-F 6/$1

WHITE SWITCHBOARD JEWELS, 3/8" dia. #4C1971, 10/$1.

MINIATURE LAMPS

STK#	TYPE	V.	A.	BASE	BULB	EA	PKG. 10
2Z5950	LM-50	2	.25	MIN SC.	G-6	.20	.75
2Z5950	511	2	.25	MIN SC.	G-6	.20	.75
6B521	LM-21	110	400	MED SCC.	G-30	.50	4.00
	(LM-21 P/O SIGNAL LAMP EQUIPMENT EE-80)						
6240-6594	LM-41	110	6W	CAN SC.	#8	.20	1.50
6Z6806.6	TS87	6-8/15CP		CAN/BAY	S-8CL	.35	3.00
2Z5985.2	351	1.3	.1	MIN BAY	G3½	.15	1.00
887U-775		150		CAN SC.	S6 CL	.20	1.00
2Z5954	LM-54	105-125		LEADS	T-2	.20	.75
6240-7126		55	5W	MED SC.	S-14	.25	2.00
DE EVRY494	(RED)	125	25W	CAN SC.	T-6	.25	2.00
2Z5949	LM-49	28	1.7	MIN BAY	T3¼	.25	2.25
6240-3394	336/5	115		DC BAY			1.75
	500	5	.15	MIN SC.		.20	.75
GE-313	#313	28	.17	min bay	T-3¼	.35	2.50
PR-10	FLASHLIGHT	6	.5	5D CELLS		.15	1.00
	480	22	.55	MIN SC.	G-6	.30	2.00
2Z5882		18	.11	CAN SC.	T-3¼	.20	1.00
6Z6827	LM-30	27	.1	CAN BAY	T-8	.20	1.00
	NE-2	1/17 AMP 2F SLIDE BASE				.10	.75
	4C5491-K1	K1 SLIDE BASE				.10	.75
NE-51	neon glow	115	½ W	min bay	T-3¼	.40	3.00
#47 BULBS		6.3 V	.15 A.	MIN. BAY.	T-3¼	.20	10/$1.

SEALED BEAM

MARINE TYPE 600 WATT 28 VOLT GE Q600 PAR 56/1 SCREW TERMINALS PRICE: $6.00 EA. WRITE FOR 100 LOT PRICE.

GRIMES LAMP ASSY. #4725-24 WITH 327 GRAIN/WHEAT BULB. 6220-333-5827 59¢ EA. 2 FOR $1

500 KHZ FILTER

COLLINS 500 KHZ FILTER ASSEMBLY consisting of nine adjustable coils and associated capacitors on 8x1½x6 enclosed chassis. Uses MB style miniature connector. Units are checked, but may need alignment. Collins part #542-4777-004, $5.00 Above, need repair, 2/$4.00

INDUCTORS

FERRITE POT CORE INDUCTORS, PC mount; 7/8x⅝" dia. NEW.
123-177 mH, #NV243, $1.50
600 mH, #404-3-2, $1.50

TORROIDAL COILS, 5/16x1 dia
150 mH, #403-1-1, 85¢ ea.
300 mH, #403-2-1, 85¢ ea.

TELEPHONE PICK UP COIL used in modem data coupler; no specs. 5/8x1¾ dia #403-4 $1

ART-13 ANTENNA LOADING COIL FORM; space wound f/ 43 turns #14 wire. 5x2⅛ x2; 1 lb. #ART13L113, $1.

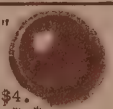
PLUG-IN 5 PRONG CERAMIC WITH APPROX. 20 TURNS #14 WIRE. SIZE: 3⅜x1⅜; 8 OZ. # 5P-20T-14W $2.00

ANTENNA TUNING INDUCTOR COIL ONLY FOR COMMAND TRANSMITTERS. No SIDE BRACKETS OR ROLLER CONTACT ASSY. NOT AVAILABLE FOR ALL FREQ. GIVE 1ST, SECOND AND 3RD. ETC. CHOICES. 2C6596A/J-COIL USED $3.95

ART-13 H.F.O. TUNING COIL SPECIAL PRECISION WOUND INDUCTOR. L-101 4x1½x1; #ART-13-643 $2.00

2C39 ASSEMBLY

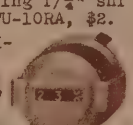
225-350 MHZ TRANSMITTER TUNING ASSY. using 2C39 tube in power amp and mixer and 6F4 in oscillator and doubler. Tuned circuits ganged for single knob control. Also 4.5 V 12 RPM motor. Removed from ARC-12 transceiver. 10x6½ x4, 9 lbs sh. #KS-10362 With 2/2C39, 2/6F4 $20. Less tubes, $7.95



VERNIER DIAL, 2½" dia. 0-100 scale 180 degree with coupling for ¼" shaft. #TU-10VD $4.

* * * * * * * * *

RIGHT ANGLE DRIVE vernier control, 1¾" dia. dial, w/ lock & coupling f/¼" shf 3-hole mtg. #TU-10RA, $2.



SPECTROL MULTI-DIAL #25-1-13 11 turns, 1099 digits. 13/16" dia. f/¼" dia. shaft. Used, $5.

FLUTED KNOBS

OHMITE KNOB, 3¼" dia. w/ pointer; fits 3/8" dia. shaft. $2.95

LUXITROL KNOB, 2-3/8" dia. w/pointer; fits 3/8" dia. shaft, $1.50

#9682 KNOB, 2½" across flutes; 3" dia. skirt. F/ ¼" dia. shaft, $1.25

* * * * * * * * * * * *

7½" dia. WHEEL-TYPE CONTROL, fits 3/4" dia. shaft. 2 lbs. W/pointer $4.95 Without, $3.95

1" DIA. FLUTED KNOB WITH 2½" NON-LINEAR CALIBRATED DIAL. BRASS INSERT WITH ¼" DIA. HOLE. KNB003 $.25

1-5/8" DIA. FLUTED KNOB W/2" SKIRT; FITS ¼" SHAFT. URC# S-649, $1.25 NEW

1½" DIA. FLUTED KNOB WITH SKIRT AND POINTER. BRASS INSERT FOR ¼" SHAFT. KNBN005 $.25

MODERN GREY KNOB w/fine-ribbed side. 1½" dia X 9/16"H. F/¼" dia sh. #7577 NEW $1.

1" DIA. FLUTED KNOB WITH POINTER, BRASS INSERT FOR ¼" SHAFT. KNBN007 $.25

1" DIA. FLUTED KNOB WITH BRASS INSERT FOR ¼" SHAFT. KNBN008 $.25

ALL THE ABOVE KNOBS ARE OF SET SCREW TYPE.

SPIN KNOBS

2" DIA. METAL FLUTED SPIN KNOB FOR 5/32" SHAFT. KNBN009 $.79

2¼" DIA. SPIN KNOB. METAL. TAKES 3/16" SHAFT. #8089 NEW $2.00

MAKE ANY FLAT KNOB A SPIN 1¾" ADAPTER WITH 3 HOLES, TO FASTEN TO YOUR KNOB, WITH SPIN GRIPPER #2Z5816-3 $1.00

1-5/8" DIA. METAL SPIN KNOB F/⅜" SHAFT. URC#KN02, $1.50

1½" DIA. FLUTED KNOB W/1¾" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN04, $.50

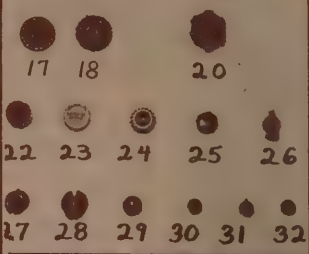
1-5/8" DIA. FLUTED KNOB W/ 2" SKIRT; BRASS INSERT FOR 3/8" SHAFT. URC#KN03, $.75

2-3/8" DIA. FLUTED KNOB W/ 3/8" POINTER; FITS 3/8" DIA SHAFT. #LUXITROL, $1.50

1-5/8" DIA. PLASTIC KNOB WITH 2½" DIA. ALUMINUM SKIRT, CALIBRATED 0 TO 10. BRASS INSERT FOR ¼" SHAFT. #9414 NEW $1.50

1-1/8" DIA. FLUTED PLASTIC KNOB WITH 1⅛" DIA. SKIRT. BRASS INSERT FOR ¼" SHAFT. #9347 NEW $.50

1" DIA. PLASTIC KNOB WITH 1⅛" DIA. SKIRT. CALIBRATED ALPHABETICALLY A, B,...Y,Z. SKIRT ALUMINUM. ¼" HOLE. #5312 NEW $.50



BAR TYPE KNOBS

BAR TYPE BAKELITE KNOB FOR ¼" SHAFT. 1⅜"x⅜"x5/8". SET SCREW TYPE. KNBN012 $.25

BAR TYPE BAKELITE KNOB FOR ¼" SHAFT WHICH MUST BE TAPED FOR SET SCREW. 1½"x⅝"x5/8". KNBN013 $.25

RECTANGULAR BAR TYPE BAKELITE KNOB 1½"x½"x5/8". WITH BRASS INSERT FOR ¼ SHAFT. SET SCREW TYPE. KNBN014 $.25

BAR TYPE BAKELITE KNOB WITH POINTER. FOR ¼" SHAFT TAPED FOR SET SCREW. 2"x⅜"x⅜". KNBN015 2/$.25

Bartype bakelite knob with pointer. For 1/8" shaft; vertical set screw. 1⅝"x5/8"x⅜". KNBN016 4/$1.00

Rounded bar style knob, 1-1/8" long x ⅜" across x 11/16 H. Brass insert f/ ¼" dia sh. #KNART13 3/$1.

1¾" DIA. METAL KNOB FOR ¼" SHAFT WITH TWO SET SCREWS. FINGER GRIPMKNOB FOR HEAVY SWITCHING APPLICATIONS. KNBN018 2/$.35

HAMMARLUND DIAL #31227-3 2¼", 1-5/8" KNURLED KNOB WITH SKIRT DIAL MARKED 10-0 SILVER EDGED #E9821 $1.50

1¾" BAKELITE KNOB FOR USE WITH ¼" SHAFT. USED FOR APPLICATIONS WHERE EXTRA GRIP IS REQUIRED. 1⅜" HIGH. KNBN020 $.25EA. 5/$1.00

3/4" RIBBED KNOB 7/8" DEEP 1" SKIRT F/¼" SHAFT DULL BLK. KNB7820 35¢

5/8"x3/4" SAME AS ABOVE BRIGHT BLK. KNB1261 20¢

1" dia. x 11/16" high knob, Ribbed style; Insert re-sessed ¼" from base for flush fit. KNB2279, 30¢ ea.

1¼" KNOB MARKED "INCREASED OUTPUT", ¼" HOLE WITH SET SCREW. ⅜" THICK. METAL. KNBN023 $.25

1¼" PUSH-ON KNOB FOR ¼" SHAFT, W/MODIFICATION, BROWN KNBN024 2/$.25

BROWN BAKELITE 1" DIA. KNOB KNURLED SHAFT OF ¼". ⅜"HIGH. KNBN025 2/$.25

BAKELITE POINTER KNOB WITH BRASS INSERT FOR ¼" SHAFT. 1⅜"x1"x⅜". KNBN026 $.25

MATCHED KNOBS, ROUNDED EDGE W/4 SETS OF 4 HASH RIDGES, LOOKS LIKE OLD HAMMARLUND. #E5168 2½" $3 #E5570 1½" $2

HALLICRAFTERS, WITH BIG 1¾" DIA. ARROW & GRIP BAR. H#81014 NEW $1.00

SIGNAL GENERATORS

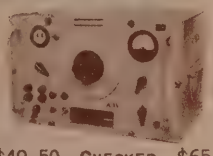
HEWLETT-PACKARD 606A, 50 Khz to 60 Mhz AM in six bands. Output: 0.1 uv to 3 volts into 50 ohms, vernier and step controlled. Features constant output and modulation and low distortion. 10½x19x13½, 50 lbs sh. Used, checked, $795.00

TS-418/URM-49, 400-1000 Mhz AM, CW, pulse. Output: 0.2 to 200K uv into 50 ohms. 12½x17⅝ x13½, 70 lbs sh. Used, reparable, $175.00

TS-419/URM-64, 900-2100 Mhz CW and pulse @ 1 MW max. into 50 ohms. Repetition rate between 40 and 4000 pulse/sec. Delay: 3 to 300 u-sec. 14x17½x11, 50 lbs sh. Used, reparable, $165.

TS-403/URM-61, 1.8-4.2 Ghz CW, FM, pulse @ 1 MW into 50 ohms. Similar to HP-616B. 17¼x 13¼x13½, 65 lbs sh. Used, reparable, $185.00

AUDIO OSCILLATOR



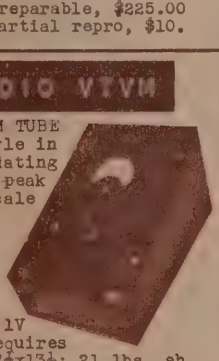
TS-382 AUDIO OSCILLATOR, 20 Hz to 20 Khz in four bands. Output: 0 to 10 volts across 1000 ohms. With built-in 60 and 400 Hz reed frequency meter. Size: 10x12¾x18¾, Shpg. wt: 50 lbs. Net: 45 lbs. Price: Used, reparable, $49.50. Checked, $65.

TS-382F AUDIO OSCILLATOR, most recent version TS-382. Used, reparable, $60. Checked, $75. TRANSIT CASE F/TS-382F, used, $10.00.

60 TO 400 MHZ FM

SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 Mhz in three bands. Internal modulation @ 1000, 1600, or 20000 Hz. External: 250 to 75 Khz. FM deviation: 0-15-75-150 Khz (50-100 Mhz), 0-30-150-300 Khz (100-200 Mhz), and 0-60-300-600 Khz (200-400 Mhz). Output: 0.1 to 100K u-volts, -25%. 50 ohm output. Power required: 115 VAC 60 Hz. 15x11½ x17½; 80 lbs sh. Used, reparable, $225.00 Checked, $295. MANUAL, partial repro, $10.

GENERAL RADIO VTVM

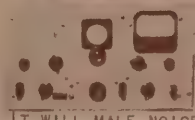


GENERAL RADIO 726A VACUUM TUBE VOLTMETER, the old GR-style in ¾" thick walnut cabinet dating to late-1930's. Measures peak RMS voltages with full scale ranges 0-1.5-5-15-50-150 VAC. Input impedance: 5 megohms at audio frequencies; decreases at higher frequencies with 380 Mhz resonance when probe is used. Has tubes 1V and 6Q7 and schematic. Requires 115 VAC 60 Hz. Size: 9½x7½x13½; 21 lbs. sh. Used, reparable-less probe, $27. W/probe, $35

VOLTMETER-VLF RECEIVER

ME-71/FCC AUDIO LEVEL METER, covers 20 to 500 Khz continuously tuneable. As selective detector, it measures RF carrier across a 135 ohm balanced or 600 ohm unbalanced line. Variable attenuator provides input sensitivities from -70 to +42 DBM indicated on 3½" dia. meter. Includes 100 Khz calibrator. Input impedance: 10K ohms. Audio gain and two phone jacks. Various models ("C" pictured). Power required: 115 VAC 60 Hz. 17x14x9; 40 lbs sh. ME-71, w/National-type dial, used, $40.00 ME-71B, used, reparable, $45. ME-71C, $50. Operational, add $30. MANUAL, repro, $8.50

DISTORTION ANALYZER



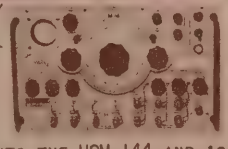
HEWLETT-PACKARD DISTORTION ANALYZER MODEL 330BR. Will give quick accurate measurements of distortion as low as 0.1% at any freq from 20 cps to 20,000 cps It will male noise measurments of voltages as smal as 100 microvolts. The analyzer has high sensitivity and high stability. Its cir cuit 20 db amplifier, oscilliscope terminals, and precision vacuum tube voltmeter which is useable separately. Exceptionally usefull for all kinds of audio measuements in recording, broadcast, motion picture, laboratory etc. Size: 8⅝x19½x13¾ (rackmtg) wt: Shpg. 40 lbs. Prices: used Reparable $185. checked $225.

TS-723-C SPECTRUM ANALYZER, military version of HP-330B; Used, rep, $165. Checked, $210

FM SIGNAL GENERATOR

SG-12/URM- FM SIGNAL GENERATOR, 19.5 to 102 Mhz FM in five bands with deviation ranges 0 to 25, 50, and 100 Khz; 1000 Hz modulation. Also IF outputs on 1.4, 2.515, 2.65, 2.88, 4.3, 4.45, 5.0, 5.35, 15 Mhz, plus two spare positions. Calibrated output voltages: 0.5 uv to .01 volts (RF); 0.5 uv to 1.0 v (IF), Output impedances: 10 ohms (RF); 25 ohms (IF). With 1 Mhz and/or 2 Mhz crystal calibrator markers. Power required: 115/230 VAC 50-1000 Hz. Size: 12x18x12; Shpg wt: 85 lbs. Used, reparable, $165. Checked, $225.00 MANUAL for SG-12, partial reproduction. $12.

FREQUENCY COMPARATOR



CM-212/USM-144 FREQUENCY COMPARATOR, used with freq. counters to determine with high accuracy frequencies from 10 Mhz to 12.4 Ghz. Measures CW, FM, and pulse modulated RF signals. An unknown signal is fed into the USM-144 and is compared to a mixed freq. generated from a stable and continuously adjustable fundamental freq. from 100 to 220 Mhz. The difference in the unknown is shown on a 2" dia. (2BP1) scope. Final determination of the input signal is made by the zero beat of the fundamental freq. and the multiplying of that value by the appropriate harmonic. Power required: 115 VAC 50-440 Hz. Size: 19½x13½x13½, Shpg. wt: 65 lbs. Used, reparable, $99.50

USM-144 MANUAL, partial reproduction, $8.50

MULTIMETER

ME-26D/U MULTIMETER measures AC or DC voltages and resistances at frequencies from 20 Hz to 700 Mhz. AC volts scale: 0 to 1, 3, 10, 30, 100, and 300 VAC. DC volts range: 0 to 1, 3, 10, 30, 100, 300, and 1000 VDC. Resistances measured from 0 to 500 Megohms in seven ranges. DC input impedance: 122 megohms; AC input imped: more than 0.1 megohms at 100 Mhz. Units are complete with probes, except tips of AC probes are missing. Power required: 115/230 VAC 50-1000 Hz. Size: 7x11x7½ Shpg. wt: 15 lbs.

Price Used Reparable $55.00, Used Ckd $75.00

TS-505 VOLTMETER

TS-505/U VACUUM TUBE VOLTMETER with ranges 0 to 2.5, 5, 10, 25, 50, 100, 250, and 500 Vrms and VDC plus 1000 VDC scale. Also X1 thru X1 Megohm ranges. AC scale is peak indicating. Frequency response: 30 Hz to 5 Mhz. With AC, DC, and ohm probes. Power required: 115 VAC 60 Hz. 9½x9x6; 17 lbs. sh. Used, reparable, $45. Checked, $60.00; $10.00

HEWLETT-PACKARD

HEWLETT-PACKARD used, reparable test equip.
H-P 200B AUDIO OSC. older style, rackmt, $30.
212A PULSE GENERATOR, 0.07-10 usec. $60.
330B DISTORTION ANALYZER, rackmt, $185.
400HR AC VTVM, 1 mv-300 VAC 1%, rack $95.
412A DC VTVM, 1 mv-1000 VDC, $100.00
415B STANDING WAVE INDICATOR, $75.00
460B WIDE BAND AMPLIFIER, rackmount, $40.
491A TWT AMPLIFIER, 2-4 Ghz, 1 watt $175.
500BR FREQUENCY METER, 3 Hz-100 Khz, $60.
522BR DECADE COUNTER, 10 Hz-120 Khz, $50.
524B COUNTER, large plug-in type, $125.
540A TRANSFER OSC., 10 Mhz-5 Ghz, $75.00
684C SWEEP OSCILLATOR, 4-8.1 Ghz, $225.
685A SWEEP OSCILLATOR, 5.2-8.3 Ghz, $195.
686A SWEEP OSCILLATOR, 8.2-12.4 Ghz $195.
1411A SAMPLING PLUG-IN, DC-4 Ghz, $100.
(DYMEC) 2210 VOLTS to FREQ. CONVERTER $35

COMMERCIAL TEST EQUIP

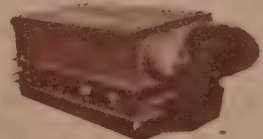
Various manufacturers; all used, reparable.
AG3 AUDIO GENERATOR, 35 Hz-35 Khz, $35.00
AMI 400-P FM DEVIATION METER, 20-60 Mhz $125.
BALLENTINE 300 VTVM, .001-100 VAC, $16.00
BALLENTINE 305 VTVM, .001-1000 VAC, $35.00
BALLENTINE 320A RMS VTVM, 100 uv-330 V, $40.
BECKMAN 7175N FREQ. METER, 10 Hz-110 Mhz $95.
BECKMAN 7360 E/PUT METER, DC-1 Mhz, $45.00
BECKMAN 7370 E/PUT METER, DC-11.5 Mhz, $75.
BOONTON 202J FM TELEMETRY GENERATOR, $450.00
BOONTON 207E UNIVERTER, .1-50 Mhz f/202B $50.
BOONTON 240A SWEEP GEN. 4.5-120 Mhz A-FM $195
BOONTON 275A TRANSISTOR TESTER, $150.00
B&K 2005 HETERODYNE VOLTMETER .02-30 Mhz $95.
B&K 1504 DEVIATION BRIDGE, 1 Khz, $125.00
CMC 200C COUNTER, 4 decades; .1, 1s gate $45.
DUMONT 401 OSCILLOSCOPE, DC-500 Khz, $100.00
DUMONT 453A SCOPE CAMERA with Polaroid back; uses #667 film; adapter f/TEK scopes, $135.
FLUKE 801 DC DIFFERENTIAL VM to 500 VDC, $40.
FLUKE 803R AC-DC DIFF. VM to 500 V. rack $40.
HICKOK 770 OSCILLOSCOPE, DC to 5 Mhz, $75.00
GENERAL RADIO 1304 BEAT FREQ. AUDIO GEN $125.
GENERAL RADIO 1605A IMPEDANCE COMPARATR $135.
GENERAL RADIO 1932A DISTORTION ANALYZER $165.
KAY 240A RANDOM NOISE GEN., 5-220 Mhz, $65.
KAY 1484BP SWEEP/MARKER GEN. 86-114 Mhz, $95.
KAY RG-52 NOISE GENERATOR, 8.2-12.4 Ghz, $25.
L&N 7553 Type K-3 UNIV. POTENTIOMETER, $125.
NEW LONDON 252 AM MODULATION METER, $50.00
NLS 484A DIGITAL DC-VM, 9.999-999.9 VDC, $35.
SKL 302 VARIABLE FILTER, 20 Hz-200 Khz, $75.
WANG 2332A UNIVERSAL PRESET COUNTER, $135.00

MILITARY TEST SETS

MILITARY TEST SETS, all used-reparable. Accessories extra. Write for more information.
AN/TRM-3 SWEEP GEN. 15-400 Mhz AM-FM, $295.
AN/UPM-99 IFF TRANSPONDER TEST SET, $295.00
AN/URM-76 TEST METER for AN/ARC-34, $49.95
CV-2607/CG CONVERTER SIGNAL DATA STORAGE $60.
FR-4/URM-79 FREQ. METER, 100 Khz-20 Mhz, $75.
FR-5/URM-80 FREQ. METER, 10-100 Mhz, $75.00
FR-6/URM-81 FREQ. METER, 100-500 Mhz, $85.00
FR-38/USM-26 COUNTER, similar to HP524B $135
IM-36B/URM-106 RI-FI SET, 14-250 Khz, WRITE.
I-95 FIELD STRENGTH METER, 100-156 Mhz, $20.
ME-82 WATTMETER, 50-600 Mhz, 0-120 watt, $65.
SG-117/URM-26B SIGNAL GEN. 5-400 Mhz AM $275.
SG-299 SQUARE WAVE GENERATOR, 1 Hz-1 Mhz, $60
TS-62 ECHO BOX, 9320-9420 Mhz, $35.00
TS-170/ARN-5 GLIDE PATH TEST OSCILLATOR, $30.
TS-251 LORAN TEST SET, $45.00
TS-497 SIGNAL GENERATOR, 2-400 Mhz AM, $195.
TS-1011/UPM-84 SPECTRUM ANALYZER, 10 Mhz to 40 Ghz with 5" CRT display, WRITE

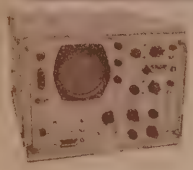
* *

TV-2/U TUBE TESTER, six meters and test data roll chart for checking most military and older commercial receiving and low power transmitting tubes. 17½x16½x8½, 45 lbs sh. Used, reparable, $80.00 Checked, $105.00



TS-34A/UP OSCILLOSCOPE with 2AP1 CRT Bandwidth: 30 Hz to 1 Mhz. Risetime: 0.25 to 30K u-sec. Sweep adjustable in three ranges from 10 to 50,000 Hz. Input impedance: 62 ohms (low) or 430,000 ohms shunted by 12 pf (hi). Input sensitivity 0.1 to 1 V. @ low impedance. Requires 115 VAC 50-1000 Hz; 40 lbs sh. Used, reparable, $34.95; checked, $54.95

DUAL-TRACE PRICE-CUTS



AN/USM-140C OSCILLOSCOPE, DC TO 30 MHZ MAINFRAME, SIMILAR TO H-P 170A. INCLUDES MX-2930 DUAL-TRACE VERTICAL PLUG-IN WITH DC TO 22 MHZ PASSBAND. INPUT IMPEDANCE: 1 MEG-OHM SHUNTED BY 30 PF. INPUT SENSITIVITY: 0.02 VOLT/CM TO 20 V./CM. FUNCTIONS: CHANNEL A, CHOPPED, A-B, AND ALTERNATE. HORIZONTAL MX-3078 PLUG-IN SWEEP RATE: 0.1 U-SEC/CM TO 5 SEC/CM. HORIZ. SENSITIVITY: 0.1 V/CM TO 10 V/CM. MAGNIFIER X1 TO X100 IN SEVEN STEPS. CALIBRATOR: 0.2 MV TO 100 V. IN NINE RANGES. POWER REQUIRED: 115/230 VAC 50-1000 Hz. SIZE: 14⅜x19x22; SHPG, WT: 110 LBS. PRICE: USED, REPARABLE, $195. CHECKED, $295.

AN/USM-105A SCOPE WITH DUAL-TRACE PLUG-IN, SAME AS USM-140 EXCEPT DC TO 15 MHZ RESPONSE. PRICE: USED, REPARABLE, $135. CHECKED, $195.

OS-8 OSCILLOSCOPE

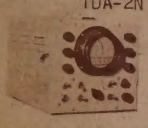
OS-8/U OSCILLOSCOPE WITH 3RP1 CRT HIGHLY PORTABLE UNIT HAS DC TO 2 MHZ VERTICAL RESPONSE; DC TO 500 KHZ HORIZONTAL. VERTICAL AND HORIZONTAL SENSITIVITY: 0.075 V-RMS FOR 1" DEFLECTION. SWEEP RANGE: 3 TO 50 KHZ. INPUT IMPEDANCE; 9 MEGOHMS SHUNTED BY 11 MMF (DC). DIRECT ACCESS TO VERTICAL AND HORIZONTAL PLATES. POWER REQUIRED: 115 VAC 50-1000 Hz. SIZE: 9x6x13½; SH WT: 20 LBS PRICE: USED, REPARABLE, $44.50; CHKD. $69.50

* * * \

TRANSISTORIZED SCOPE

HFE T4214A TRANSISTORIZED OSCILLOSCOPE; ENGLISH MANUFACTURED SCOPE USES PRINTED CIRCUIT CARDS FOR THE PRE-AMP, SIGNAL DEFLECTION AMP, TIME BASE, INTENSITY MOD, AND SWEEP AMP. PROVISIONS ALSO FOR SIGNAL DELAY, TRIGGER PICK-OFF, AND TRIGGER DELAY PC CARDS (NOT AVAILABLE). ESTIMATED FREQUENCY RESPONSE: 300 KHZ LIMITED BY DEFLECTION AMP. USES 5LQP11 CRT; SWEEP IS FROM TOP TO BOTTOM BUT CAN BE CHANGED TO LEFT TO RIGHT. INCLUDES CONTROLS: FOCUS, BRIGHTNESS, ASTIG., SIGNAL SHIFT, INPUT ATTENUATOR (0.1 TO 10 V./DIV. IN 7-STEPS); TIME BASE (1 U-SEC TO 10 M-SEC IN 5-STEPS); MULTIPLIER X.5, X1, AND X2; TIME BASE SHIFT, TIME BASE DEFLECTION (EXT/INT); TRIGGER LEVEL; AND FREE RUN/SINGLE SHOT. SLIGHTLY BENT FRAME; LESS CASE AND POWER PLUG. POWER REQUIRED: 115 VAC 60 HZ OR 12 VDC 1 AMP. SIZE: 9x17x25, SHPG. WT: 60 LBS. PRICE: USED, REPARABLE $50.00

TELETYPEWRITER SCOPE



TDA-2N

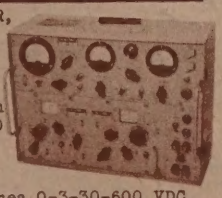
TS-1060 TELETYPEWRITER TEST SCOPE, MEASURES BIAS AND DISTORTION OF START-STOP AND SYNCHRONOUS TELEGRAPH SIGNAL ON A 3" CRT. INPUT SPEEDS APPROX. 60 WPM(5 UNIT CODE), 60,75,100 WPM 7.42 CODE, AND BAUD SPEED EQUIVELENTS TO 60.75,100 WPM (10.42 UNIT CODE). INPUT IMP. 100 OHMS FOR 60MA NEUTRAL; 300 OHMS FOR 20MA NEUTRAL AND 30MA POLAR. MEASUREMENT RANGE 0-50% MARKING, OR SPACING BIAS AND DISTORTION. TUBES: 3RP1,5651,0A2,3/12AT7,6X4,0B2,3/5963, 5726. POWER REQUIRED 115/230V 60HZ. 8x8x15 SHPG. WT: 24 LBS. USED REPARABLE $34.95
(FOUNDATION UNIT)LESS C.R. TUBE 24.75

ME-9 MULTIMETER

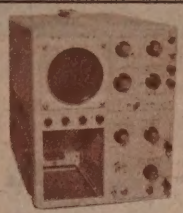
ME-9/TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOM. 1000 OHMS/VOLT AC-DC SENSITIVITY OR 20,000 OHMS/V. SENS. DC ONLY. MEASURES AC-DC VOLTS FROM 2.5 TO 1000 V. IN SIX RANGES. DC AMPS FROM 250 U-AMPS TO 10 AMPS IN EIGHT SCALES; OHMS FROM X1 TO X10K. WITH 4" METER (FS=50 UA); JACK FOR 5000 VDC @ 20,000 OHMS/V.; AND TEST LEADS. REQUIRES THREE 4½ VDC AND ONE ½ VDC BATTERIES (NOT AVAILABLE). SIZE: 11¼x8¼x6; SHPG. WT: 17 LBS. USED. PRICE: REPARABLE, $29.95; CHECKED, $39.95

TS-375/U VACUUM TUBE VOLTMETER, AC VOLTS RANGES FROM 1.2 TO 120 VAC IN SIX STEPS; DC VOLTS FROM 1.2 TO 300 VDC. FREQUENCY RESPONSE FROM PANEL TERMINALS: 40 HZ TO 50 KHZ; OR 10 KHZ TO 150 MHZ USING PROBES. WITH BOTH AC AND DC PROBES. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 10⅝x10½x6⅝; SHPG. WT: 23 LBS. USED. PRICE: REPARABLE, $18.95;

MULTI-PURPOSE TEST SET



AN/TRM-1 SIGNAL GENERATOR, covers 0.19-400 Mhz AM using two RF oscillators SG-32 (0.19-30 Mhz in 5-bands) and SG-33 (30-400 Mhz). Internal modulation 0-60% @ 1 Khz or 200-6000 Hz external. Output: 2.5 to 100K u-volts in nine steps; 50 ohm impedance. Built-in voltmeter measures 0-3-30-600 VDC, 0-3-30-300 VAC, and 0-10-100-1000 MW. Also tests performance of 3 to 100 watt transmitters over freq. range when proper coupler and dummy load (not included) is used. Write for availability/price of accessories. Requires 115 VAC 60 Hz. 18x13x8; 65 lbs. Shipped UPS in two cartons. Used, reparable $135. Checked, $225. MANUAL, partial repro., $10.



TEKTRONIX

TEKTRONIX manufactured test equipment removed from service. Sold in "used, reparable" condition. Write for "checked" price. Scopes requiring plug-ins are sold "less plug-in." Qty. ltd.

TYPE 514D	OSCILLOSCOPE, DC to 10 Mhz,	$95.00
524D	Television Scope, DC to 10 Mhz with sweep delay,	110.00
531	DC to 15 Mhz, plug-in type	200.00
532	DC to 5 Mhz, plug-in type	150.00
RM32	Rackmount 532,	150.00
535A	DC to 15 Mhz with sweep delay; plug-in type,	WRITE
RM35A	Rackmount 535A,	235.00
545A	DC to 30 Mhz with sweep delay; plug-in type,	WRITE
RM45	Rackmount 545,	285.00
551	DUAL-BEAM DC to 25 Mhz, uses two plug-ins; with external power supply,	395.00
555	DUAL-BEAM DC to 30 Mhz w/ sweep delay, Type 21 and 22 time base plug-ins, and external power supply. Requires two vert. plug-ins,	$450.00
RM567	DIGITAL READOUT SCOPE w/ Type 6R1 display; requires Type 3S76 and 3T77 vert. plug-ins (not available),	295.00
575	TRANSISTOR CURVE TRACER SCOPE for PNP and NPN transistors,	375.00

VERTICAL AMPLIFIER PLUG-INS for Tektronix 530, 540, and 550-Series scopes and similar scopes by other manufacturers. Various manufacturers. Add $10 for Tektronix manufactured unit. All "used, reparable."

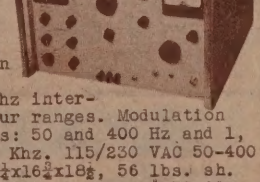
TYPE B, wide-band, high gain,	$45.
TYPE D, High-gain, DC differential,	35.
TYPE E, Low-level, AC differential,	40.
TYPE G, Wide-band, DC differential,	25.
TYPE K, Fast-rise,	WRITE
TYPE L, Fast-rise, high gain,	65.
TEK TYPE CA, dual-trace to 24 Mhz,	130.

TEKTRONIX 180A TIME-MARK GENERATOR, 14 time-mark intervals from 1 u-sec to 5 seconds. Three sine wave freq: 5, 10, & 50 Mhz. Trigger rate freq: 1, 10, 100 Hz and 1, 10, 100 Khz. Power required: 115/230 VAC 50-60 Hz. Size: 13¾x10x16⅝, 37 lbs sh. Used, reparable $95 Used, checked, $125.00

HICKOK 1805 SCOPE, similar to TEK 535A, uses same plug-ins, reparable, $135. Chkd., $225.

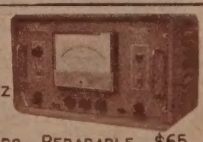
LAVOIE LA-545, similar to TEK 545, uses same plug-ins, reparable, $165. Chkd., $260.

BOONTON FM GENERATOR



BOONTON (HP) 202H FM-AM SIGNAL GENERATOR, 54 to 216 Mhz in two bands. RF output: 0.1 uv to 200K uv across 50 ohm load. 0 to 50% internal AM; external 0-100%. AM calibration at 30, 50, and 100%. FM deviation: 0-250 Khz internal or external in four ranges. Modulation oscillator frequencies: 50 and 400 Hz and 1, 3, 7.5, 10, 15 and 67 Khz. 115/230 VAC 50-400 Hz power required. 10½x16⅝x18⅛, 56 lbs. sh. Used, reparable, $450.00; Checked, $550.00

BOONTON (HP) 207H UNIVERTER, adds 100 Khz to 50 Mhz FM range to 202H. Used, reparable $110



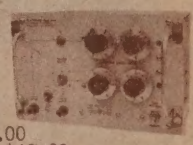
AD-YU 405 PRECISION PHASE METER, INDICATES PHASE ANGLE IN RANGES: 0-12°, 0-36°, 0-90°, AND 0-180°. FREQ. RANGE 8 HZ TO 40 KHZ AND UP TO 100 KHZ. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 20x12x10⅛, WT: 30 LBS. REPARABLE, $65.

FREQUENCY METERS

AN/URM-32 FREQUENCY METER: 125 KC TO 1000 MC IN THREE RANGES, CAN ALSO BE USED AS A SIGNAL GENERATOR WHICH PROVIDES A CHOICE OF MODULATED OF UNMODULATED SIGNALS FOR TESTING AND CALIBRATING RADIO EQUIPMENT. SENSITIVITY WITH AN RF OUTPUT OF .05 MW MINIMUM IS OBTAINED. ACCURACY .01%, RF 100 UV MINIMUM ACROSS EXTERNAL 50 OHM RESISTIVE LOAD. FIVE TUBE HETERODYNE TYPE, POWER REQ. 6 VDC 1 AMP. 180 VDC 25 MA., DRY BATTERY OR AC SUPPLY CAN BE USED. METER IS USED TO READ P.S VOLTAGES. W/CALIBRATION BOOK SIZE: 13⅞x12x10⅜: WT: 29 LBS.

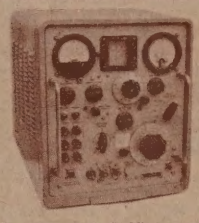
Price: Used, reparable, $65. Checked, $95. 115 VAC 60 Hz power supply, $20 additional.

LM-21 FREQUENCY METER with AC power supply; Crystal calibrated unit covers 125 to 20,000 Khz in two bands. Design accuracy better than 0.02%. AM modulation 40% at 500 Hz. Output voltage: 250 u-volts min. Output impedance: 600 ohms. With calibration book, 1000 Khz crystal, and tubes 6A7, 76, 77, 2/991. Requires 115 VAC 60 Hz. Size: 8⅜x8x8⅜, 14 lbs sh. (meter); 8¼x8¼x8, 15 lbs sh. (power supply). Used, $24.95 CHECKED, $50. Set w/RECONDITIONED meter, $65. POWER INPUT CONNECTOR for meter, $2.00 each. CONNECTORS (2) for power supply, $2.00 each. SHOCKMOUNT, $2.50 MANUAL, $7.50
METER ONLY, less tubes, xtal, cal-book, $12.

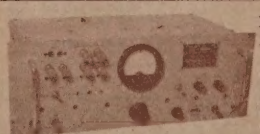


PLUG-INS FOR HP-524 AND SIMILAR COUNTERS. USED, REP. ADD $10 FOR HP MFG.
MX-1637 10-100 MHZ, $35.
CV-594 100-220 MHZ, $25.
HP-525C 100-500 MHZ, $125.
HP-526A VIDEO AMP, $40.
MX-1636 TIME INTERVAL, $25.00
HP-526C PERIOD MULTIPLIER, $40.00
TRANSIT CASES F/525-526 PLUG-INS. STEEL (11x8x8), $5.00. FIBERGLASS (14½x9½x9), $10.00

TS-510A SIGNAL GENERATOR



TS-510A/USM-44A SIGNAL GENERATOR, 10 to 420 Mhz AM, CW, and pulsed carrier. Internal modulation 400 or 1000 Hz. External mod: 100 Hz to 20 Khz Output: 0.1 uvolt to 0.5 volt into a 50 ohm load. Large 3½" round meters indicate Percent Modulation and Output Volts-DBM. With built-in 1 Mhz and 5 Mhz crystal calibrator. Similar to Hewlett-Packard 608D. Power required: 115/230 VAC 50-1000 Hz. 13¾x16⅝x21, 80 lbs. Price: Used, reparable with output, $245.00
TS-510/USM-44; same as above, but with only 5 Mhz calibrator. Reparable w/output, $215.



ME-22 DECIBEL METER measures received testing power and is arranged for an input impedance of 600 or 8000 ohms for direct or bridged test circuits. Meter indicates -45 to +25 DBM in six steps over 200 Hz to 35 Khz range. Requires 115/230 VAC 60 Hz. 7x19x10⅝, 30 lbs. Used $85

SG-15/PCM SIGNAL GENERATOR, functions as test power source for making gain, loss, and cross talk measurements when used with ME-22. Output: -54 to +26 DBM over 200 Hz-35 Khz. Output impedance: 600 ohms. Can be used as an audio oscillator by itself. Power required: 115/230 VAC 50-60 Hz. Size: 8¾x19x13, 58 lbs. sh. Used, reparable, $40.

DATA KEYBOARD

#KEY735

KEYBOARD HAS 49 KEYS PLUS SPACE BAR. EACH KEY SWITCH HAS INDIVIDUAL CONTACTS. UNIT ALSO HAS ELEVEN 10 V. LAMPS, 2" SPEAKER, TWO MINI-TOGGLE SWITCHES, SODECO 24 VDC RESETTABLE COUNTER, AND 3 FT. CABLE. DOES NOT HAVE DECODING ELECTRONICS. 14x7½x3½. #KEY735, $22.

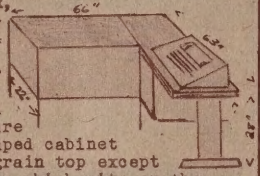
78-KEY KEYBOARD, Maxi-Switch mfg. Has the standard keys, plus clear, erase input, erase EOF, test REQ, DUP PA 1, field mark PA 2, INS mode, DEL, ↑, ←, ↓, →, and PF1 thru PF12. Seems to have been part of a video terminal. With IC's 7400, 7402, 2/7403, 7404, 7405, 7410, 74121, and 556. Socket for 40-pin control IC (identity not known). 17x6½x2; 7 lbs. sh. #3103-009-02, used, $28.00

66-KEY KEYBOARD, same as above but without keys PF1 thru PF12; #3103-002-02, used, $24.

COMPUTER DATA ENTRY

DATA ENTRY KEYBOARD, USED ORIGINALLY FOR REMOTE ACCESS TO A COMPUTER FOR INVENTORY OR CREDIT CHECK. UNIT CONSISTS OF 16-BUTTON KEYBOARD WITH NUMBERS 0-9, INQ, ENTER $, SEND, CHECK, DATA, AND A BLANK. LOGIC CIRCUIT BOARD FEATURES A CV1412BI CHIP. DIGIT DISPLAY BOARD HAS TEN LED'S INCLUDING FOUR 7-SEGMENT FND7035I READOUTS WITH SPACE FOR FOUR MORE. SET IN RUGGED PLASTIC HOUSING. REQUIRES 20-CONTACT CONNECTOR FOR POWER AND COMPUTER ACCESS. NOT GUARANTEED OPERATIONAL. 6½x8½x3, 6 LBS. #DATA-4105, USED, $10.95

COMMUNICATIONS CENTER



COMMUNICATIONS CENTER, includes ASR-33 teletypewriter, Tally 464 paper tape reader, Honeywell optical bar code reader, logic chassis assembly, and power supplies. All are contained in an L-shaped cabinet with simulated wood-grain top except for the teletypewriter which sits on the desk top. System has automatic send-receive and features a teletypewriter which has a paper punch and operates at 100 words/minute, 600 operations/second. Utilizes ASCII code with parity bit and prints on 8½" friction-fed paper. Teletypewriter is made by Teletype Corp.

and is the same as their Model ASR-33 except that the standard ASR-33 control module is eliminated and its functions incorporated into the system's logic chassis. Consoles are removed from service, appear complete, but are not operationally checked. Documentation is included. 550 lbs. sh. Used, $595.00

ASR-33 TELETYPEWRITER only, as described in the above system, 85 lbs sh. $425.00
(Loop and control kit which allows stand-alone operation of this ASR-33 available from another source. Write for information.)

MICROPROCESSOR CIRCUIT BOARD, has C4004 P-channel microprocessor, 4/P4001 256x8-bit PROM, 2/P4002-1 320-bit RAM and 4-bit output port, 3/4003 10-bit serial in/parallel-serial out shift register, plus 53 transistors. #IC-07, $8.95

* *

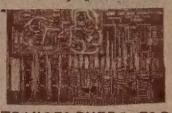
1976 INTEL DATA CATALOG, info and pinouts on 4004, 8008, 8080A and related, $3.00

COMPUTER BOOKS

UNDERSTANDING MICROCOMPUTERS, 300 p. intro to micros for laymen, $9.95
THE SCELBI BYTE PRIMER, 400 p. 8½x11 anthology of articles on microcomputers, $10.95

COMPUTER FOUNDATION

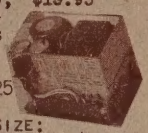
DISPLAY CIRCUIT BOARD WITH EIGHT 3/8" 7-SEGMENT LED READOUTS, EIGHT RED LED'S, 15 DARLINGTONS, 8 PNP TRANSISTORS 3/C4003 SHIFT REGISTERS, PLUS OTHER COMPONENTS, BLOCK DIAGRAM. 10x3½, #ECR7700, $9.95



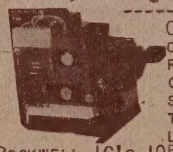
COMMUNICATIONS CIRCUIT BOARD, CONTAINS MODEM CARD WITH 7/1458 OP AMPS (NO SCHEMATIC). MAIN BOARD HAS TMS-6011 UART, INPUT SHIFT REGISTERS, AND GATES (TEN IC'S). ALSO INPUT TRANSFORMERS FOR MODEMS, SELECT WIRING FOR 4- OR 2-LINE INPUT, AND LEVELS 0 DBM, -3 DBM, -6 DBM, OR -9 DBM. MODEM INFO, BLOCK DIAGRAM. #ECR9600, $12.95

IMPRINTER LOGIC BOARD, THREE 200 VOLT 4 AMP TRIACS DRIVEN BY CONTACTS OF THREE 12 VDC REED RELAYS. ALSO HAS 2/4003 SHIFT REGISTERS, EIGHT DARLINGTONS, EIGHT PNP'S, 3/9002, AND A 4049 HEX BUFFER/CONVERTER. W/BLOCK DIAGRAM. 10x4, #ECR9060, $7.95

CONTROL CIRCUIT BOARD WITH C4004 4-BIT MICROPROCESSOR, 2/4003 SHIFT REGISTERS, 3/4002 RAM's, AND 8/4001 ROM's. ALSO A 4.704 MHZ CRYSTAL, FIVE OTHER IC'S FOR CLOCK AND GATING, 12 IC SOCKETS, BLOC DIAGRAM . 10x5, 3 LBS. #ECR9620, $13.95



MICROCOMPUTER POWER SUPPLY, USES TWO 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 Hz; OUTPUT: -25 VDC 180 MA; -5 VDC 800 MA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3½x5½x4; SHPG. WT: 10 LBS. #ECRPS-744, $15.00



CREDIT CARD SCANNER, USES AN OPTICAL SYSTEM TO READ THE RAISED NUMBERS OF A CREDIT CARD INTO IN PHOTO ARRAY. HAS SMALL AC MOTOR TO DRIVE CARD THROUGH THE READER. ALSO LIGHT AND PLASTIC OPTICS, TWO ROCKWELL IC's 10561 AND 15120. WITH DIAGRAM OF CONNECTOR WIRING. 5x5x4, #ECR2020, $7.95

20-KEY KEYBOARD, 5/8" SQUARE BUSINESS KEYS WITH CHARACTERS: 0 THRU 9, CLR, RST, CRED, CASH, IMP, SEND, RET, CODE, $, AND ACCT. TWO BUSSES: ONE FOR NUMBERS; THE OTHER FOR INSTRUCTIONS. SIZE: 4x4¼, WT: 2 LBS. #ECR4835, $3.95

ECR COMPONENT PACKAGE DEAL THE ABOVE SEVEN ITEMS WITH AN ECR-PREFIX WERE ORIGINALLY COMPONENTS OF AN ELECTRONIC CARD READER SYSTEM. THEY MAY BE PURCHASED INDIVIDUALLY AS MARKED OR TOGETHER AS A PACKAGE FOR $45.00

MAGNETIC RECORDER

PERTEC MODEL 7580-9 MAGNETIC DIGITAL RECORDER. USES NINE CHANNELS: 8-BIT DATA, 1-BIT PARITY. DISCRETE TRANSISTOR AND TTL CIRCUITRY ALLOWS FOR THE FOLLOWING FUNCTIONS: LOAD, FORWARD, REVERSE, REWIND, WRITE-ENABLE, AND WRITE-LOCKOUT. RECORDER HAS INTERNAL POWER SUPPLY WHICH PROVIDES +5 VDC REG., -5 V REG., +13, -13 VDC, AND 22 VAC. REELS DRIVEN BY TWO 24 VDC MOTORS. CAPSTAN DRIVEN BY 24 VDC MOTOR TACHOMETER. ALL CONTROLS ARE DIRECTED BY LOGIC. NO COVER. SIZE: 8½x19x9½ SHPG. WT: 35 LBS. USED; $150.00

PAPER TAPE READER

SUPERIOR ELECTRIC PAPER TAPE READER; 8-CHANNEL ENCODING, 100 CHARACTERS PER SEC. TTL OUTPUTS AND HANDSHAKE. HAS 5.4 VDC 1.5 AMP 200 STEP/REVOLUTION STEPPING MOTOR AND TWO 120 VAC 50-60 Hz 1000 RPM SYNCHRONOUS STEPPING MOTORS. CIRCUIT BOARDS IDENTIFIED AS 4-STEP TRANSLATOR, AMPLIFIER AND INVERTER, INTERFACE BOARD, RECEIVER AND DRIVER. USES STANDARD 1" TAPE. 20½x10x16½; SH WT: 50 LBS. USED, W/COVER, $135.

COMPUTER TERMINAL

795 VIDEO DISPLAY, CONVERTIBLE INTO A GRAPHICS TERMINAL AS DESCRIBED IN IN SEPT. '76 ISSUE OF 73 MAGAZINE. CONSISTS OF 12" DIAGONAL MAGNETICALLY DEFLECTED CRT, INTERNAL DC-TO-DC CONVERTER, 10 Kv SUPPLY, HORIZONTAL AND VERTICAL DEFLECTION AMPS, AND INTERNAL MUFFIN FAN. WITH CONTROLS FOR INTENSITY, HORIZ. AND VERT. GAIN/POSITION. REQUIRES 115 VAC 60 Hz. POWER CONNECTOR NOT AVAILABLE. SIZE: 15½x17½x21; SH WT: 100 LBS., 75 LBS. NET. USED, $59.50
REPRINT Sept. '76 issue of 73 Magazine, $2.00

CONTROL ASSEMBLIES ON 9x4 HEATSINK. USED, EXCELLENT YIELD ON SEMICONDUCTORS. SHPG WT. 4 LBS EA. SIMILIAR TO PICTURE ORDER BY NUMBER

TRANSISTOR CONTROL ASSEMBLY WITH DIODES.

8/TO-3 60v (SIMILIAR TO 2N3055) AND 8/TO-66 (SIMILIAR TO 2N3054) 60v TRANSISTORS, 8/0.4 OHM 5W AND 8/3OHM 3W RESISTORS, 8/DO-4 DIODES WITH INSULATED MOUNTING HARDWARE. #7729 $5.75

TRANSISTOR CONTROL ASSEMBLY, CONTAINS 8/TO-3 AND 8/TO-66 AND EMITTER RESISTORS AS ABOVE. SMALL DIODES AND RESISTORS #0425 $5.00

CONTROL CLUTCH ASSEMBLY AND HEATSINK 9X4 IN. 8/100v TO-3 AND 2/60v TO-66 TRANSISTORS. FIVE 0.4 OHM 10 W RESISTORS, MORE. #095-8139 $4.00

SOLENOID DRIVER ASSEMBLY WITH 6/70MFD 300v CAPACITORS, 6/ 60 OHM 3% 10WATT DALE RESISTO TRANSISTORS AND DIODES. 3LB #340C4587 $3.50

LEE PANEL L-BOARD, 3-transistors, small heat-sink, 9-resistors ½-10 watt. #DD-35-77, 4/$1.
LEE PANEL J-BOARD, 9-transistors, 3-small heat-sinks, 19-resistors ½-10 W. #DD-36-77. 2/$1.

REED RELAY

REED RELAY BOARDS LISTED BELOW CONTAIN 12VDC REED RELAYS AND ASSOCIATED COMPONENTS. ORDER BY BOARD NUMBER. SH WT. 3 LBS.

#5336 1/DPST, 4/5PST, 2/4PST, MERCURY WETTED RELAY SPDT, 26 DIODES. $3.95

#5341 3/4PST, 8/3PST, 2/2PST, 5PST, MERCURY WETTED SPDT, 23 DIODES $4.95

#5346 12/SPST, DPST, 2/DPST MERCURY WETTED. 5 TRANSISTORS, 51 DIODES, 3/25MFD 50v 47 MFD 35v $5.95

#5351 10/SPST, 10/DPST, 90 DIODES $7.95

#5361 3/DPST, 4/SPST, MERCURY WETTED SPDT 6 TRANSISTORS, 24 DIODES, CAPACITORS DIODES, RESISTORS. $3.95

#E40380 MAGNETIC REED SWITCHES with bias magnets on board, $4.95

100 KHZ CRYSTAL BOARD, Bliley HB-3 100 Khz X-tal, 40 Xistors, res., caps. #CUC211200 $3.95

REGULATOR and PREREGULATOR CARDS, w/current limit and OVP. Not complete regulator. Has transistors, diodes, zeners, resistors, capacitors. Needs about -50 VDC f/preregulator.
#RB4561-4, for 4 to 5 V. regulator, $2.50
#RB6428-32, for 32 to 36 V. regulator, $2.00
#RB-MISC, assortment of similar regulator cards, but none of the above, 4 for $5.00

CRYSTAL CIRCUIT BOARD, 33.36 and 12 Khz crystals, ten potted coils. #650784L100, $2.75

TALLY RECEIVER; 15 MINI-DIP 741, 2 IN SOCKET 723 VOLTAGE REG IN SOCKET, 4 TRANSISTORS, 6 TRIMPOTS, CAPACITORS, RESISTORS ETC SH WT 1LB #601740 $3.95

TALLY LOGIC; 26/2N3643, 2N6027, 3/324, TWO 16 PIN SOCKETS, 500MFD 75v, 2/200MFD 25v 4MINI POTS, RESISTORS, CAPACITOS, DIODES SH WT 2 LBS #691746 $3.50

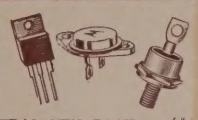
READ AND SWITCH CORE CURRENT SOURCE. 2/8v REFERENCE DIODES, 2 TRANSISTORS ON HEATSINK. 6 SECTION INDUCTOR, 75 OHM 25 WATT RHEOSTAT DALE 31 OHM 1% 25 WATT RESISTOR. SH WT 4 LBS #315CURRENT SOURCE $2.50

***P.U.R. = PRICE UPON REQUEST**

CPU'S | RAM'S | PROM'S | * UNUSED SURPLUS *

C8001-1 CPU,	$10.95	8080A CPU,	$6.95
P8085 CPU,	16.95	8205 decoder,	2.75
8212 8-bit I/O	2.50	8224 clk. gen.	3.00
8228 control,	4.75	8251 programmer	7.00
8255 programmer	6.00	2102 RAM $1.40	4/$4.
2111 RAM $3.60	4/$13	2114 RAM $5.95	4/$21
2708 EPROM, tested demos, $6.50; 4 for $22.			
2716 EPROM 5 V. $27.		4804A RAM	7.95
MC14411 baud gen $10.		AY5-1013 UART	4.50
3341 FIFO $5.95 4/$21.		FRI-502E02 FIFO	9.95
FPA103 light reflective transducer,			2.50
CL903L CdSe photo-conductor, 6K res.,			.75
1458 dual op-amp .50		RC4558 dual op	.65
MC1489 quad-line 1.25		7400/04/08/10/40	7/$1

TRANSISTORS
DIODES



MPSA14 NPN darl	5/$1.	MJE340 NPN 300V	2/$1
2N3055 NPN 10 A	.60	TIP2955 PNP 10 A	.80
2N4126 PNP lo-no	6/$1	2N6346 unijunct	.90
TIP120 NPN darl.	1.00	TIP140 NPN darl.	1.35
TIP142 NPN darl.	1.60	TIP145 PNP darl.	1.50
7808UC voltage regulator, 8 v. out,			$/$1.00

1 AMP 50 PIV	15/$1.	ZENERS, 1 W: 3.3	3.9
400 "	12/$1.	4.1 10.2	4/$1.
1000 "	5/$1.	11.6 12.0 V	3/$1.
5 AMP 800 PIV	$1.75	1N3028A, 22 V	2/$1.
MR-Series, 6 AMP		1N2974B, 10 W 10 V	
MR750 50 PIV	85¢	5%; stud mt.	$1.25
MR751 100 "	95¢	1N1357RA, 10 W 18 V	
MR752 200 "	$1.10	5% rev-polarity	$1.
MR754 400 "	1.25	1N5366, 5 W 39 V	$1.
35 AMP 50 "	1.80		
100 "	2.10		

1N3890 100 V 12 A, $1.
1N1337 or 1N1337R, 300 PIV 250 AMPS with pigtail, but w/o hardware, $7.50 each.
HIGH CURRENT RECTIFIERS w/o pigtail and hardware. House numbers; conservatively rated:
#50-100A, 50 V 100 amps; o/a 1"x2", $2.00
#50-200A, 50 V 200 amps; o/a 1½"x3", $3.50
FULL-WAVE BRIDGE RECTIFIERS, 200 V 25 amps: GI #KBPC25-02, 1-1/8" sq., 4-term., $1.95
VARO VTA200/S, c.t. cath., stud mt., $1.50

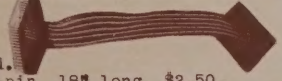
LED'S

RED, T-1¾ size 8/$1. GREEN 6/$1.
DARK RED, HP5082-4692, 6/$1.00
7-SEGMENT NUMERIC DISPLAY, common anode, lefthand decimal HP5082-7730 $1.
SLA-2 DISPLAY; .33", - or -1 and 1, 2/$1.00

IC SOCKETS

		8-pin low-profile	5/$1.
		14-pin wire wrap	6/$2.
		14-pin standard	5/$1.
14-pin l.p.	5/$1.	16-pin WW 40¢ ea	6/$2.
16-pin stnd.	4/$1.	16-pin l.p.	5/$1.
18-pin l.p.	4/$1.	20-pin l.p. 35¢	3/$1.
22-pin l.p.	3/$1.	24-pin l.p. 40¢	3/$1.
24-pin stnd.	50¢	28-pin l.p. 45¢	5/$2.
28-pin stnd.	60¢	40-pin stnd.	$1.00

JUMPERS



PCB jumpers, unused.
#50-14P2; two 14-pin, 18" long, $2.50
43-16P1; one 16-pin, 12" " , 1.50 3/$3.
44-16P2; two 16-pin, 48" " , 3.00
43-24P1; one 24-pin, 12" " , 2.00
60-24P2; two 24-pin, 2½" " , 2.50
57-28P2; two 28-pin, 4" " , 3.50
44-40P2; two 40-pin, 23" " , 4.25
9-14P1; one 14-p, 23" loose leads, $1.75

EIA RS232 CABLE, 6' cord with male DP25P plug, female DP25S, and conn. covers, $14.

PC BOARD JUMPERS with IC plug and DP25P, 16", 16-pin, #16/DP25P, $5. 24-pin, #24/DP25P, $6.

GRAYHILL #76SB04 4-SPST ROCKER DIP SWITCHES for PC board uses. NEW, $1.00 ea. 4/$3.00

MOTOROLA K1115A CRYSTAL designed for PC board mount; 7.3728 Mhz. Unused, $1.95

BOURNS 4114R-002 DIP NETWORK, 14-pin 13 resistors, 4700 ohm. NEW, 3/$1.00 25/$6.00

COMPUTER POWER SUPPLIES

SOLID STATE POWER SUPPLY RATED CONSERVATIVELY AND CONSTRUCTED ON RUGGED STEEL FRAME. UNITS HAVE FRONT VOLTAGE ADJUST ±10%, RUNNING LIGHT, AC RESET. ALSO REATURED IS ADJUSTABLE CURRENT LIMITING AND ADJUSTABLE OVERVOLTAGE PROTECTION. POWER INPUT 115v 60 Hz. REMOVED FROM EQUIPMENT GOOD CONDITION. AC POWER INPUT PLUG $2.00

RATING	SIZE	SH WT.	No.	PRICE
4v 30A	15⅝x13⅜x7	65 LBS.	926	$30.00
12v 5A	16x9⅜x7	35	655	37.50
30v 3A	15⅝x19⅜x7	38	889	27.50
20-24v 5.5A	20x9⅜x7	47	332	39.95

DUAL POWER SUPPLY, SAME STYLE AS ABOVE UNITS. -32-36 V 14.7 A AND -32-36 V 10.3 A. TWO INDEPENDENT REGULATORS WITH COMMON BUSS. SIZE: 20x14x12; SH WT: 125 LBS. #450, $60.00

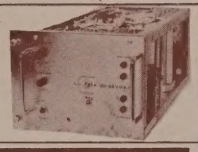
24 VDC 20 AMPS HARMONIC REGULATED, HEAVY CONSTRUCTION. 24 VDC 30 A. INTERMITTENT. 20x13½x7, 100 LBS. #4501, $29.95

CASH REGISTER POWER SUPPLY WITH 6 VDC GEL-CELL BATTERY OUTPUT FOR MEMORY. ALSO +6, +10, +15, AND -24 VDC FROM 115 VAC INPUT. 8x8⅛x7½; 22 LBS. SH. ORIGIN ELEC. #008-0202550A, UNUSED, $75.00

12 VDC 4VDC 17.5A

12VDC 3.5 AMPS AND 4VDC 17.5 AMPS WITH CURRENT LIMITING AND OVER VOLTAGE PROTECTION. THE 4 VOLT OUTPUT WILL ADJUST TO 5 VOLTS. SIZE: 14x8½x6 SH WT 35 LBS. 115v 60 Hz. USED EXCELLENT COND. #9566WC $30.00

POWER SUPPLY SAME AS #9568 ONLY LESS REGULATOR CARDS. HAS OUTPUT TRANSISTORS AND HEATSINKS. AN EXCELLENT FOUNDATION $20.00



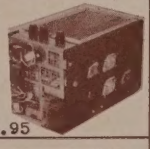
32-36 VDC 4.8 AMPS; CONVERSION INFO FOR 12-36 VDC OPERATION INCLD. WITH ADJUST. CURRENT LIMITING AND OVP; 5" COOLING FAN. 9⅝x6¾x19; SHPG. WT: 37 LBS. #32-36V-4.8, $27.95

OPEN FRAME REGULATED

COMPUTER POWER SUPPLY TRANSISTOR REGULATED OPEN CONSTRUCTION WITH ADJUSTABLE VOLTAGE 20% AND CURRENT LIMITING UNITS WHERE OVP IS NOTED ALSO HAVE ADJUSTABLE OVERVOLTAGE PROTECTION. UNITS ARE IN GOOD CONDITION-REPARABLE. ORDER BY RATING AND PART NUMBER.

RATING	SIZE	SH WT.	No.	PRICE
5v 2A	14x4½x5	16	1012-01	$10.95
5v 4A	"	16	1014-33	14.95
8v 4A OVP	"	16	1014-21	14.00
12v 3A OVP	"	16	1014-22	25.00
12v 6A	14x8½x5	23	1018-32	35.00
12v 6A OVP	"	23	1018-22	37.00
30v 3A	"	23	1018-23	22.50
30v 3A OVP	"	23	1018-33	25.00

35-40v 500W OVP, 14x8½x5, 60 LB, 1037-12 $35



PS601301 TRANSISTOR REGULATED POWER SUPPLY produces independent +12 VDC 2.7 A. and -12 VDC 1 A. outputs w/overvoltage protection which can be used in series. Also -6.8 V 300 ma output. 9⅜x5½x7; 16 lbs. Used, $14.95

MEMORY PCB

Commercially designed PC boards w/position info; less components.
#217D-248 6K EPROM BOARD for six 2708 EPROM; with 24-pin socket and connector, $8.00
#217D-101 EPROM BOARD for eight 1702A EPROM, 4/7404, 2/3404; with edge connector, $4.00
#217D-136 2K RAM BOARD for sixteen 2102 RAM, 7/7404, 7420; with edge connector, $5.00

MI² CORP. 2400-Series MATRIX PRINTER PARTS --Write your needs and we will quote.

FLUORESCENT DISPLAY, 12-digit DG1001, 1-1/8" high with ¼" display; 27 transistors and associated resistors, capacitors, etc. 3 lbs. sh. #QP3666, $5.95

14-DIGIT FLUORESCENT DISPLAY using MG-17F 1½" high tubes with 3/8" display; 31 transistors, 22 capacitors, diodes resistors. Tubes are on plug-in assembly (22-pin). #QP-2704 $4.95

FAIRCHILD IC'S: 4/9002, 2/9015, 2/9016, 74180 3/9024, 2/9602, 9/2N2222 plus resistors, diodes, etc. 2 lbs. sh. #C200504G1, $1.95

CONTROL BOARD with Fairchild TTL: 17/9002, 15/9003, 11/9009, 10/9007, 8/9016, 25/9024, 2/9300, 9301, 9310, 3/9316, 2/4510. Presettable decade up-down counter. #162407, $1.95

TWELVE DIGIT FLUORESCENT DISPLAY #POS2, 3/8" DIGITS WITH CHARACTERS 0 THRU 9, -, -, ', AND DECIMAL POINT. TUBES ABOUT 2" HIGH. ALSO 2/M5812 COUNTER IC'S, 27 TRANSISTORS, AND OTHER PARTS. 9x8½x2½, SHPG. WT: 4 LBS. $6.95

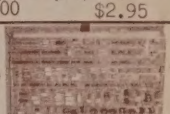
DIODE MATRIX 34 X 20 CONTAINS 90 DIODES 1N4004 OR EQUAL. 6x11 #005330 $3.95

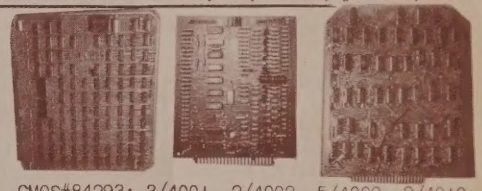
DIODE MATRIX 25 X 7, 23 TRANSISTORS, DIODES WITH 22 PIN SOCKET. 7x4½, #2010200

CORE MEMORY ARRAY 2 SECTIONS EACH 52 X 52 BOARD SIZE 13x13x1½ #2162301 5 LB $3.95

SMALL CORE MEMORY ARRAY, 2 SECTIONS APPROX 65x15 EACH. 4 REED RELAYS 2/3PST, 2/5PST 7x4½x½ #2006000 $2.95

SWITCH NETWORK DIGITAL AND LINEAR IC BOARD. 3352.8KHZ CRYSTAL, 3/2 POLE 4 POS, AND 1/3P2P PC ROTARY SWITCHES. 4 MULTI TURN POTS. 38/72301 OP-AMPS, 2/MC1448, 9440DC, 5/9016,4/7408, 3/NE565,74195 2/SN29007, 2/74161, 2/74109, 3/7400,2/7410 2/9602, SP380, SP363. 11x13½, WT 5LB. SEVERAL HUNDRED RES,CAP, DIODE, #9829 $8.95





CMOS#84293; 3/4001, 2/4002, 5/4009, 2/4010 4/4011, 2/4012, 7/4013, 4021, 2/4022, 7/4023 2/4025, 2513 A 64x8x5 CHARACTER GENERATOR 7417. 9x7½, SH WT 2LBS #84293 $7.50

CMOS-K1; 6/4008, 4/4009, 4/4011, 2/4012 7/4013, 9/4016, 5/4022, 2/4023, 4024,5/4040 9x7½, SH. WT. 2 LBS #CMOS 84292 $6.95

CMOS #14007; 4/4001, 2/4011, 2/4013, 4042, 4558 DUAL OP-AMP, 23 TRANSISTORS, MANY RESISTORS, CAPACITORS. 1 LB #14007 $2.95

IC BOARD #595254; 3/9322 QUAD 2 INPUT MULTIPLEXER, 7402, 7404, 7406, 7410, 3/7438, 741, 7442. 1 LB #595254 $1.95

IC BOARD #594747; 8/75451 DUAL PERIPHERAL AND DRIVER, 7438, 7474, 74121, 7404, 6/7400, 7402, 7414, TRANSISTORS, RESISTORS, DIODES CAPACITORS 2 LB #594747 $2.95

ENDERSOR DRIVER 4/DM8851 DUAL RETRIGGERABLE MVBR, 7474, 9109 HIGH VOLTAGE HEX INVERTER, 2/7400, 7420, 7406, 18 BYPASS CAPACITORS. TO-3TRANSISTOR ETC 1 LB #484-0001801 $1.50

CARD READER CONTAINS A TEN SECTION SPST DUAL IN LINE SWITCH, A 8 POSITION MINITURE RC. ROTARY SWITCH; 5/7400, 4/7404, 7/7408,5/7410 4/7420, 7437, 74109, 3/74157, 74180, 9602 2/N82S62, 2/SN29301, NCR 94, 8 IC'S NO CROSS REFERENCE. SH WT 2LBS #315-0529449 $3.50

TTL CIRCUIT BOARD 2/7400, 7402, 2/7408,7410/2 2/74109, 3/ 9016, 3/9602, NE565, CAPACITORS RESISTORS, DIODES. #095-0300644 $1.00

TIMER-COMPARATOR, IC's 2/NE555V, 2/LM339, 8/7400, 4/7404, 3/7408, 2/7410, 2/7411, 3/7474, 5/7493, 2/74123; two 5K trimpots, 7½x8, $3.

POWER SUPPLY BOARD f/printer: 41 IC's & sockets (mostly 74-series); 32 power transistors (mostly 10 amp TIP-140-142-145); 3/VTA200-S 200 V 25 A bridges; 5/1N3890 100 V 12 A diodes; and related. Also axial capacitors 11/6800 uf 16 V; 5/1500 uf 63 V; 4/220 uf 25 V; 1000 uf 25 V; plus 56/6.8 uf 35 V and 10/4.7 uf 35 V tantalums. 20x14; 5 lb. #803-195 $22.

Fair Radio Sales Co., Inc.
1016 E. EUREKA ST.
P. O. BOX 1105
Lima, Ohio 45802

GOD IS JUST A PRAYER AWAY

COMEAUS TV
43½ 6TH AV
HAVERHILL MA 01830

RETURN POSTAGE GUARANTEED

Bulk Rate
U. S. POSTAGE
PAID
Lima, Ohio
Permit No. 74

CUT 43 1930UR383 04/30/80
POSTAGE DUE
RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD

PRINTER COMPONENTS

MATRIX PRINTER MECHANISM, German precision-made printer mechanism used in a U.S. assembled matrix printer which had speeds upto 180 cps bidirectional, 0-132 or 0-158 columns. Includes single platen, ribbon drive, paper guides, motors, belts etc. In 26"wX8½"hX20"d beige plastic case with cast-aluminum base as pictured on stand below. (Stand not included.) Cover lifts for easy access. Add your own control/interface electronics and print heads to make it an operational matrix printer. 75 lbs sh. #MPM/MI2, unused, $125.

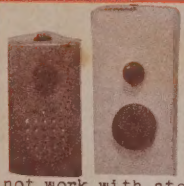
PRINTER CASE only as above, #MPC/MI2, $25.

PRINTER STAND, place your printer or keyboard on this sturdy 25" high steel stand. All it needs is your custom desk and/or cabinet top bolted to its 13"x24" top support. Space behind foot panel for a power supply or other electronics which you may want unseen. Chocolate brown. Shown with printer case which is not included. O/A: 25⅛"hX24"wX21"d; 38 lbs sh. Shipped via truck or bus because of size. #PSD/MI2, $25.

DATANETICS KEYBOARD

DATANETICS KEYBOARD, 75 keys including upper and lower case letters, standard numbers and symbols, control keys, plus separate ten key numerical set. Brown keys. ASCII encoded using IC's 7400, 7404, 2/7408, 7410, 7432, 2/7493, NE556, and EA20106. Requires +5 VDC and -12 VDC. Keyboard is assembled. With unassembled case consisting of beige metal top, unpainted metal bottom/sides, brackets, rubber feet, and 5' cable with PCB edge connector and 16-pin dip plug. Pinout info sheet incld. 20x7¾x2¾, 10 lbs. #0284-819-10, NEW, $89.95

INTRUSION



MALLORY INTRUSION ALARMS, hang on inside door knob and set sensitivity. Alarm sounds when outside door knob is touched. Works on capacitance discharge. Will not work with steel doors. 2 lbs sh. NEW. #DRS-AC, loud clacker, 115 VAC 60 Hz, $8.95 #DRS-DC, w/Sonalert, 9 V battery req., $9.95

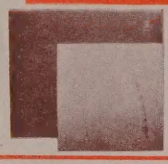
NICAD TEST

AN/USM-63 BATTERY TESTER, includes TS-737 meter and MX-1678 load box. Tests ni-cad batteries with or without load and charging. Range: 1-1.7 VDC using probe; 25.2-34.1 VDC at binding posts. TS-737 (8¾x6¾x4½) is dual range voltmeter with 2.8Ω load resistor. MX-1678 (14x6⅛x5⅛) has two 5.6Ω 300 W resistors in parallel. 18 lbs sh. USM-63, unused, $30.

CX-263 CABLE ASS

CX-263, CABLE U-226 proof ing cor tor. 10½' cable has five 19 AWG per and steel stranded pairs. U-2 which has five gold-plated male female contacts, can be disassemb and rewired to handle 12 AWG stra wire. U-226 mates to U-226 so two cables can be connected. Adapt to your indoor or outdoor power appl tions. 4 lbs sh. Unused $10. 2/$

COPPERCLAD PCB

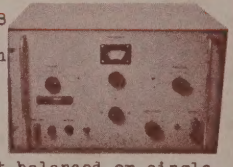


Single-side copp clad etching boa for making print circuits. NEW. #FIB24-CC, 11½x4 fibreglass, 2/$1 #PHE18-CC, 8½x4 phenolic, 3/$1.0

0.1-10 GHZ FREQ. M

TS-186/UP FREQUENCY METER, measures frequencies from 100 Mhz to 10 Ghz using harmonics of a 50-1250 Mhz heterodyne oscillator. Zero beat dial readings are interpolated into frequencies via a calibration book. Zero beat indicated on an 0-1 milliammeter or monitored through a 600 ohm headphone jack. RF signal input must be from 500 MV to 1 V for proper use. With tubes 2C40, 955, 5Y3, 2/0D3, and 5/6SJ7. Power required: 115 VAC 50-1000 Hz. 9½x8½x20; 48 lbs. sh. Used, reparable, $95. Checked, $135.00 MANUAL f/TS-186, partial reproduction, $7.50

LF FUNCTION GENERATOR

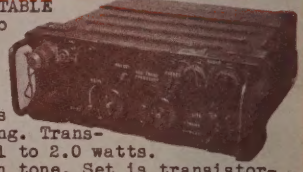


SG-321 LOW FREQUENCY FUNCTION GENERATOR, .008 to 1200 Hz square, triangular, or sine wave in five multiplier ranges. Max. output: 33 p-p. Synch pulse 22.5 V peak neg., less than 5 u-sec duration. Internal impedance: 40 ohms. Output balanced or single-ended; 19 tubes. Requires 115/230 VAC 50-400 Hz. 12x19½x14¼, 65 lbs sh. Unused, $105.00

ORION AC VTVM

ORION V-100M VACUUM TUBE VOLTMETER with 6"w X 4½"h mirrored scale; similar to Hewlett-Packard 400H. Twelve full scale meter ranges from 0.001 to 300 VAC (rms) or -60 to +50 DB. Response 10 Hz to 4 Mhz. Input impedance 10 megohms shunted by 24 pf (.001-0.3 V) or 14 pf (1-300 VAC). Requires 115/230 VAC 50-1000 Hz. 11¼x7¼x11½, 22 lbs sh. Used, reparable $55. Checked, $95.

PRC-25 TRANSCEIVER

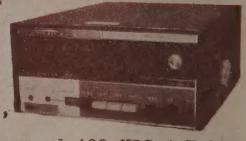


RT-505/PRC-25 PORTABLE TRANSCEIVER, 30 to 75.95 Mhz FM in bands 30-52.95 Mhz (Lo) and 53-75.95 Mhz (Hi) using 920 channels with 50 Khz spacing. Transmitter output: 1.1 to 2.0 watts. Has 150 Hz squelch tone. Set is transistorized except for 2DF4 tube in power amp. Power required: 3 VDC 0.4 amp and 15 VDC 1.4 amps. Batteries not available. Size: 4x11x14; 18 lbs. sh. Used, not checked, $125.00

* *

AN/PRC-25 BACKPACK TRANSCEIVER SET consisting of RT-505, CY-2562 battery box, ST-138 backpack harness, H-189 (or H-138) handset, AT-892 ribbon antenna, AB-591 antenna base, AT-271A antenna, and CW-503 (or CW-216) accessory bag. Used, $160. PRC-25 SCHEMATIC, $5.

DIGITAL DC VOLTMETER



DIGITEK 251 DC DIGITAL VOLTMETER, uses RTL logic and four Nixie tube display (2/B5441 and 2/B5440). Has 10v, 100v, and 1000v push-button scales. However, original user tagged these meters, "Do not exceed 400 VDC." Units have calibrate and zero select and adjust, over-range neon indicator, and BCD data output board. Sampling rate adjustable 10/sec to one/2 sec; max. interrogation 10 samples/sec. Requires 115 VAC 60 Hz. 4½x8½x11½, 15 lbs sh. Used, reparable with manual, $45.00

ANTENNA HORN

AT-903/G ANTENNA FEED HORN f/ 600-1850 Mhz range. 50 ohms impedance; type C connection. Has locking 11-position elevation adjust. Fits 2½" dia. mast. Aluminum. 35"Lx26"Hx21" 40 lbs. Shipped via truck only. Used, $35.00